

Gossypium barbadense

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References (Biological Abstracts 1988-2000):

- Ahmmmed, M. A. and R. B. Mehra (2000). Impact of mating systems on genetic variability in a cross of *Gossypium barbadense*. Indian Journal of Genetics and Plant Breeding. [print] August 60(3): 359-371. {a} Dept. of Health and Family Welfare, Dispur, Guwahati, India
- Ahuja, S. L. and S. K. Banerjee (2000). Stability for bollworm resistance, jassid grade, seed cotton yield and its components of cytotypes in cotton (*Gossypium hirsutum* L.). Indian Journal of Agricultural Research. [print] June 34(2): 71-77. {a} Central Institute for Cotton Research Regional Station, Sirsa, 125055, India
- Cantrell, R. G. and D. D. Davis (2000). Registration of NM24016, an interspecific-derived cotton genetic stock. Crop Science. [print] July August 40(4). {a} Dep. Agronomy and Horticulture, New Mexico State Univ., Las Cruces, NM, 88003-8003, USA
- El, A. S. E. D. A. G. (2000). Effects of irrigation interval and tillage systems on irrigated cotton and succeeding wheat crop under a heavy clay soil in the Sudan. Soil and Tillage Research. [print] June 55(3-4): 167-173. {a} New Halfa Research Station, Agricultural Engineering Section, Agricultural Research Corporation, New Halfa, Sudan
- Grantz, D. A. and J. F. Farrar (2000). Ozone inhibits phloem loading from a transport pool: Compartmental efflux analysis in Pima cotton. Australian Journal of Plant Physiology. [print] 27(8-9): 859-868. {a} Department of Botany and Plant Sciences and Air Pollution Research Center, Kearney Agricultural Center, University of California at Riverside, Parlier, CA, 93648, USA
- Grantz, D. A. and S. Yang (2000). Ozone impacts on allometry and root hydraulic conductance are not mediated by source limitation nor developmental age. Journal of Experimental Botany. [print] May 51(346): 919-927. {a} Department of Botany and Plant Sciences and Air Pollution Research Center, University of California, Riverside, Kearney Agricultural Center, 9240 South Riverbend Ave., Parlier, CA, 93648, USA
- Jiang, C., R. J. Wright, et al. (2000). QTL analysis of leaf morphology in tetraploid *Gossypium* (cotton). Theoretical and Applied Genetics. Feb. 100(3-4): 409-418. {a} Department of Crop and Soil Science, University of Georgia, Athens, GA, 30602, USA
- Jiang, C. x., P. W. Chee, et al. (2000). Multilocus interactions restrict gene introgression in interspecific populations of polyploid *Gossypium* (cotton). Evolution . [print] June 54(3): 798-814. {a} Garst Seeds, Slater, IA, 50244, USA
- Korolev, N., J. Katan, et al. (2000). Vegetative compatibility groups of *Verticillium dahliae* in Israel: Their distribution and association with pathogenicity. Phytopathology . May 90(5): 529-536. {a} Department of Plant Pathology, ARO, Volcani Center, Bet Dagan, 50250, Israel
- Lu, Z., M. A. Quinones, et al. (2000). Temperature dependence of guard cell respiration and stomatal conductance co-segregate in an F2 population of Pima cotton. Australian Journal of Plant Physiology. [print] 27(5): 457-462. {a} Department of Biology, University of California, Los Angeles, CA, 90095-1606, USA
- Sawan, Z. M., A. A. Mohamed, et al. (2000). Effect of kinetin concentration and methods of application on seed germination, yield components, yield and fiber properties of the Egyptian cotton (*Gossypium barbadense*). Environmental and Experimental Botany. [print] August 44(1): 59-68. {a} Cotton Research Institute, Agricultural Research Center, Ministry of Agriculture and Land Reclamation, 9 Gamaa Street, 12619, Giza, Egypt
- Timmannavar, S. R. and B. C. Patil (2000). Performance of cotton genotypes of different species under rainfed conditions. Crop Research Hisar. [print] September 20(2): 312-316. {a} Department of Crop Physiology, University of Agricultural Sciences, Dharwad, KRN, 5, India

Wise, R. R., C. G. F. Sassenrath, et al. (2000). A comparison of leaf anatomy in field-grown *Gossypium hirsutum* and *G. barbadense*. *Annals of Botany London*. [print] October 86(4): 731-738. {a} Department of Biology, University of Wisconsin-Oshkosh, Oshkosh, WI, 54901, USA

Yu, X. H., Y. Q. Zhu, et al. (2000). Isolation of GAE6-3A 5'-upstream fragment from *Gossypium arboreum* and its expression in tobacco. *Acta Phytophysiologica Sinica*. [print] 26(2): 143-147. {a} National Laboratory of Plant Molecular Genetics, Shanghai Institute of Plant Physiology, Chinese Academy of Sciences, Shanghai, 200032, China

Yuan, Y. L., Y. H. Chen, et al. (2000). Effects of the dominant glandless gene Gl2e on agronomic and fibre characters of Upland cotton. *Plant Breeding*. Feb. 119(1): 59-64. {a} Key Laboratory of Crop Germplasm and Breeding, Ministry of Agriculture, and Department of Agronomy, Nanjing Agricultural University, Nanjing, Jiangsu, 210095, China

Bianchini, G. M., R. D. Stipanovic, et al. (1999). Induction of delta-cadinene synthase and sesquiterpenoid phytoalexins in cotton by *Verticillium dahliae*. *Journal of Agricultural and Food Chemistry*. Oct. 47(10): 4403-4406. {a} Southern Crops Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, College Station, TX, 77845, USA

Brubaker, C. L., A. H. D. Brown, et al. (1999). Production of fertile hybrid germplasm with diploid Australian *Gossypium* species for cotton improvement. *Euphytica* 108(3): 199-213. {a} Centre for Plant Biodiversity Research, CSIRO Plant Industry, Canberra, ACT, 2601, Australia

Chu, Z. Q., J. W. Jia, et al. (1999). Isolation of glycoproteins from *Verticillium dahliae* and their phytotoxicity. *Acta Botanica Sinica*. [print] Sept 41(9): 972-976. {a} National Laboratory of Plant Molecular Genetics, Shanghai Institute of Plant Physiology, Shanghai, 200032, China

Galanopoulou, S. S. and D. Roupakias (1999). Performance of cotton F1 hybrids and its relation to the mean yield of advanced bulk generations. *European Journal of Agronomy*. June 11(1): 53-62. {a} Laboratory of Agronomy, School of Agriculture, University of Thessaly, 38334, Volos, Greece

Grantz, D. A. and J. F. Farrar (1999). Acute exposure to ozone inhibits rapid carbon translocation from source leaves of Pima cotton. *Journal of Experimental Botany*. July 50(336): 1253-1262. {a} Department of Botany and Plant Sciences and Air Pollution Research Center, Kearney Agricultural Center, University of California at Riverside, Parlier, CA, 93648, USA

Kairon, M. S., M. R. K. Rao, et al. (1999). Cotton (*Gossypium* species) research: A pursuit towards self-sufficiency and export. *Indian Journal of Agricultural Sciences*. Aug. 68(8 spec. issue): 460-467. {a} Central Institute for Cotton Research, Nagpur, MAH, 440 010, India

Kakani, A., S. Saha, et al. (1999). Genetic mechanism and chromosomal location of pollen-specific gene(s) in *Gossypium*. *Crop Science*. May June 39(3): 668-673. {a} Crop Sci. Res. Lab., USDA-ARS, Mississippi State, MS, 39762, USA

Kohel, R. J. and A. A. Bell (1999). Genetic analysis of two terpenoid variants in cotton (*Gossypium hirsutum* L.). *Journal of Heredity* 90(1): 249-251. {a} USDA-ARS, Crop Germplasm Res. Unit, 2765 F and B Rd., College Station, TX 77845, USA

Liu, J., C. R. Benedict, et al. (1999). Purification and characterization of S-adenosyl-L-methionine: Desoxyhemigossypol-6-O-methyltransferase from cotton plants. An enzyme capable of methylating the defense terpenoids of cotton. *Plant Physiology Rockville*. Nov. 121(3): 1017-1024. {a} Department of Biochemistry and Biophysics, Texas A and M University, College Station, TX, USA

Liu, Q., S. P. Singh, et al. (1999). Molecular cloning and expression of a cDNA encoding a microsomal omega-6 fatty acid desaturase from cotton (*Gossypium hirsutum*). *Australian Journal of Plant Physiology* 26(2): 101-106. {a} Division of Plant Industry, Commonwealth Scientific and Industrial Research Organisation, Dickson, ACT, 2601, Australia

Meena, R. A., K. Rathinavel, et al. (1999). Storage potential of tetraploid and diplid cottons under ambient conditions. Seed Research New Delhi. [print] June 27(1): 125-127. {a} Regional Station, Central Institute for Cotton Research, Sirsa, 125 055, India

Percy, R. G. (1999). Inheritance of cytoplasmic -virescent cyt-V and dense-glanded dg mutants in American Pima cotton. Crop Science 39(2): 372-374. {a} Western Cotton Res. Lab., Maricopa Agric. Center, USDA-ARS, 37860 W. Smith-Enke Rd., Maricopa, AZ, 85239, USA

Punitha, D. and T. S. Raveendran (1999). Heterosis and combining ability studies for quantitative characters in coloured linted cotton genotypes (*Gossypium hirsutum* X *Gossypium barbadense*). Crop Research Hisar. Nov. 18(3): 423-429. {a} Senior Research Fellow, Hybrid Rice Evaluation Centre, Gudalur, 643 212, India

Punitha, D., T. S. Raveendran, et al. (1999). Heterosis and combining ability studies for quantitative characters in coloured linted cotton genotypes (*Gossypium hirsutum* X *Gossypium barbadense*). PKV Research Journal. Jan. 23(1): 17-20. {a} Hybrid Rice Evaluation centre, Gudalur, India

Punitha, D., T. S. Raveendran, et al. (1999). Combining ability studies for yield and quality traits in interspecific coloured linted cotton (*Gossypium hirsutum* X *Gossypium barbadense*). PKV Research Journal. Jan. 23(1): 14-16. {a} Hybrid Rice Evaluation Centre, Gudalur, India

Robinson, A. F., C. G. Cook, et al. (1999). Resistance to *Rotylenchulus reniformis* and *Meloidogyne incognita* race 3 in the major cotton cultivars planted since 1950. Crop Science. May June 39(3): 850-858. {a} Southern Crops Research Laboratory, USDA-ARS, 2765 F and B Rd., College Station, TX, 77845, USA

Sawan, Z. M., B. R. Gregg, et al. (1999). Effect of phosphorus, chelated zinc and calcium on cotton seed yield, viability and seedling vigour. Seed Science and Technology 27(1): 329-337. {a} Cotton Research Institute, Agricultural Research Center, Ministry of Agriculture and Land Reclamation, 9 Gamaa Street, Dokki, 12619, Giza, Egypt

Sawan, Z. M., L. I. Hanna, et al. (1999). Effect of climatic factors during the development periods of flowering and boll formation on the production of Egyptian cotton (*Gossypium barbadense* L.). Agronomie Paris. Aug. Sept. 19(6): 435-443. {a} Cotton Research Institute, Agricultural Research Center, Ministry of Agriculture and Land Reclamation, 9 Gamaa St., Dokki, 12619, Giza, Egypt

Sheshagiri, R. and B. M. Khadi (1999). Somatic instability for chlorophyll pigmentation in cotton (*Gossypium* spp.). Current Science Bangalore. Aug. 77(3): 443-446. {a} Agricultural Research Station, Dharwad Farm, Dharwad, 580 007, India

Vreeland, J. M., Jr. (1999). The revival of colored cotton. Scientific American. April 280(4): 112-118.

Wang, H. L., M. R. Sudarshana, et al. (1999). Analysis of cell-to-cell and long-distance movement of a bean dwarf mosaic geminivirus-green fluorescent protein reporter in host and nonhost species: Identification of sites of resistance. Molecular Plant Microbe Interactions 12(4): 345-355. {a} Section of Plant Biology, Division of Biological Sciences, University of California, Davis, CA, 95616, USA

Alchanati, I., J. A. A. Patel, et al. (1998). The enzymatic cyclization of nerolidyl diphosphate by delta-cadinene synthase from cotton stele tissue infected with *Verticillium dahliae*. Phytochemistry Oxford 47(6): 961-967. {a} Dep. Biochem. Biophys., Texas A and M Univ., College Station, TX 77843, USA

Daayf, F., M. Nicole, et al. (1998). Hyaline mutants from *Verticillium dahliae*, an example of selection and characterization of strains for host-parasite interaction studies. Plant Pathology Oxford 47(4): 523-529. {a} Agric. Agri-Food Canada, 440 University Ave., P.O. Box 1210, Charlottetown, PE C1A 7M8, Canada

Dolan, L. and R. S. Poethig (1998). Clonal analysis of leaf development in cotton. American Journal of Botany 85(3): 315-321. {a} Dep. Cell Biol., John Innes Cent., Norwich NR4 7UH, UK

Dolan, L. and R. S. Poethig (1998). The Okra leaf shape mutation in cotton is active in all cell layers of the leaf. American Journal of Botany 85(3): 322-327. {a} Dep. Cell. Biol., John Innes Centre, Norwich NR4 7UH, UK

Henneberry, T. J., L. F. Jech, et al. (1998). Seasonal distribution of *Bemisia argentifolii* (Homoptera: Aleyrodidae) honeydew sugars on Pima and upland cotton lint and lint stickiness at harvest. Southwestern Entomologist 23(2): 105-121. {a} USDA-ARS, Western Cotton Res. Laboratory, 4135 E. Broadway, Phoenix, AZ 85040, USA

Henneberry, T. J., L. F. Jech, et al. (1998). *Bemisia argentifolii* (Homoptera: Aleyrodidae) population relationships to cotton and lint stickiness in long and short staple cottons. Journal of Economic Entomology 91(5): 1196-1207. {a} West. Cotton Res. Lab., USDA-ARS, Phoenix, AZ, USA

Jiang, C. X., R. J. Wright, et al. (1998). Polyploid formation created unique avenues for response to selection in *Gossypium* (cotton). Proceedings of the National Academy of Sciences of the United States of America 95(8): 4419-4424. {a} Plant Genome Mapping Lab., Dep. Soil and Crop Sci., Texas A and M Univ., College Station, TX 77843-2474, USA

Kumar, S., P. Sharma, et al. (1998). A genetic approach to in vitro regeneration of non-regenerating cotton (*Gossypium hirsutum* L.) cultivars. Plant Cell Reports 18(1-2): 59-63. {a} Dep. Genet., Univ. Delhi S. Campus, Benito Juarez Rd., New Delhi 110 021, India

Mamani, O. R., E. E. Doussoulin, et al. (1998). Productive behavior of an experimental cotton crop (*Gossypium barbadense* L.) under different levels of nitrogen, plant density and leaching water, in Lluta Valley. Idesia . Jan. Dec. 15: 49-58. {a} Ing. Agronomo, Pob. J. Noe Psje. 7, 1258, Arica, Chile

Momtaz, O. A. (1998). Effect of plant growth regulators on in vitro fiber development from unfertilized and fertilized Egyptian cotton ovules. Plant Growth Regulation 25(3): 159-164. {a} Agric. Genetic Eng. Res. Inst., Agric. Res. Center, 9 Gamaa St., Giza, Egypt

Muravenko, O. V., A. R. Fedotov, et al. (1998). Comparison of chromosome BrdU-Hoechst-Giemsa banding patterns of the A1 and (AD)2 genomes of cotton. Genome 41(4): 616-625. {a} Engelhardt Inst. Mol. Biol., Russ. Acad. Sci., Vavilov St., 32, Moscow 117984, Russia

Norton, E. R. and J. C. Silvertooth (1998). Field validation of soil solute profiles in irrigated cotton. Agronomy Journal 90(5): 623-630. {a} Dep. Plant Sci., Univ. Ariz., Tucson, AZ 85721, USA

Ponte, J. J. D., F. J. Silveira, et al. (1998). Synopsis of the Brazilian literature of the Meloidogyne-cotton association. Summa Phytopathologica 24(2): 101-104. {a} UFC, Dep. Fitotecnia, Setor Fitopatol., C.P. 12168, 60356-001 Fortaleza, CE, Brazil

Quinones, M. A., Z. Lu, et al. (1998). Genetic variation of stomatal conductance, blue light sensitivity and zeaxanthin content in guard cells of Pima cotton (*Gossypium barbadense*). Physiologia Plantarum 103(4): 560-566. {a} Dep. Biol., Univ. California, Los Angeles, CA 90095-1606, USA

Rodriguez, G. E and E. Maldonado (1998). Reaction of three Pima cotton cultivars (*Gossypium barbadense* L.) to *Fusarium oxysporum* f. sp. *vasinfectum*. Fitopatología 33(2): 127-132. Dep. Sanidad Veg., Fac. Agron., Univ. Nac. Piura, Apartado Postal 723, Piura, Peru

Salih, A. A., H. M. Babikir, et al. (1998). Preliminary observations on effects of tillage systems on soil physical properties, cotton root growth and yield in Gezira Scheme, Sudan. Soil and Tillage Research 46(3-4): 187-191. {a} Agricultural Res. Corporation, P.O. Box 126, Wad Medani, Sudan

Saranga, Y., N. Sass, et al. (1998). Drought conditions induce mite formation in interspecific cotton hybrids. Field Crops Research 55(3): 225-234. {a} Hebrew Univ. Jerusalem, Fac. Agricultural, Food Environmental Quality Sci., Dep. Field Crops, Vegetables Genetics, P.O. Box 12, Rehovot 76100, Israel

Sawan, Z. M., B. R. Gregg, et al. (1998). Influence of nitrogen fertilisation and foliar-applied plant growth retardants and zinc on cotton seed yield, viability and seedling vigour. *Seed Science and Technology* 26(2): 393-404. Cotton Res. Inst., Agric. Res. Cent., Ministry Agric. Land Reclamation, Giza, Egypt

Sawan, Z. M. and R. A. Sakr (1998). Effect of 1-naphthalene acetic acid concentrations and the number of applications on the yield components, yield and fibre properties of the Egyptian cotton (*Gossypium barbadense* L.). *Agronomie Paris* 18(4): 275-283. {a} Cotton Res. Inst. Agric. Res. Centre, Ministry Agric. Land Reclamation, 9 Gamaa St., Dokki 12619, Giza, Egypt

Sawan, Z. M. and R. A. Sakr (1998). Effect of 1-naphthaleneacetic acid concentrations and the number of its applications on the yield components, yield and fibre properties of Egyptian cotton (*Gossypium barbadense* L.). *Journal of Agronomy and Crop Science* 181(2): 89-94. {a} Cotton Res. Inst., Agricultural Res. Centre, Ministry Agriculture Land Reclamation, 8 Gamma Street, Dokki 12619, Giza, Egypt

Sawan, Z. M., R. A. Sakr, et al. (1998). Effect of 1-naphthaleneacetic acid concentrations and the number of applications on the yield components, yield, and fibre properties of Egyptian cotton (*Gossypium barbadense* L.). *Australian Journal of Agricultural Research* 49(6): 955-960. {a} Agric. Genet. Eng. Res. Inst., Agric. Res. Cent., Ministry Agric., 9 Gamaa Street, Giza 12619, Egypt

Shimony, C., N. Sass, et al. (1998). Microscopic study of mature seed coats and aborted structures of interspecific cotton hybrids. *Botanica Acta* 111(1): 16-21. {a} Hebrew Univ. Jerusalem, Fac. Agric. Food Environ. Quality Sci., Dep. Field Crops Vegetables Genetics, P.O. Box 12, Rehovot 76100, Israel

Zhao, X., Y. Ji, et al. (1998). Macromolecular organization and genetic mapping of a rapidly evolving chromosome-specific tandem repeat family (B77) in cotton (*Gossypium*). *Plant Molecular Biology* 38(6): 1031-1042. {a} Dep. Soil and Crop Sci., Texas A and M Univ., College Station, TX 77843-2474, USA

Zhao, X. P., Y. Si, et al. (1998). Dispersed repetitive DNA has spread to new genomes since polyploid formation in cotton. *Genome Research* 8(5): 479-492. {a} Plant Genome Mapping Laboratory, Texas A and M Univ., College Station, TX 77843-2474, USA

Aslam, M., K. Nielson, et al. (1997). Nitrate uptake, efflux, and in vivo reduction by Pima and Acala cotton cultivars. *Crop Science* 37(6): 1795-1801. {a} Dep. Agron. Range Sci., Univ. Calif., Davis, CA 55616-8515, USA

Bowman, D. T. and J. C. McCarty, Jr. (1997). Thrips (Thysanoptera: Thripidae) tolerance in cotton: Sources and heritability. *Journal of Entomological Science* 32(4): 460-471. Dep. Crop Science, Box 8604, N.C. State Univ., Raleigh, NC 27695-8604, USA

Elgamal, M. H. A., S. A. Ouf, et al. (1997). Phytochemical and mycological investigation of *Artemisia monosperma*. *Folia Microbiologica* 42(3): 203-210. {a} Lab. Natural Products, National Research Center, Dokki, Cairo, Egypt

Hodnett, G. L., C. F. Crane, et al. (1997). A rapid stain-clearing method for video based cytological analysis of cotton megagametophytes. *Biotechnic and Histochemistry* 72(1): 16-21. {a} Dep. Soil Crop Sciences, Texas A and M Univ., College Station, TX 77843-2474, USA

Jain, S. (1997). Studies on combining ability in intra and interspecific crosses of cotton. *Crop Research Hisar* 14(1): 91-95. J. N. K. V. V. Agricultural Res. Station, Badnawar 454 660, India

Keller, G., L. Spatola, et al. (1997). Transgenic cotton resistant to herbicide bialaphos. *Transgenic Research* 6(6): 385-392. {a} Geniva, 585 Science Dr., Madison, WI 57311, USA

Lu, Z., J. Chen, et al. (1997). Photosynthetic rate, stomatal conductance and leaf area in two cotton species (*Gossypium barbadense* and *Gossypium hirsutum*) and their relation with heat resistance and yield. *Australian Journal of Plant Physiology* 24(5): 693-700. {a} UCLA -DOE Lab. Dep. Biol., Univ. California, Los Angeles, CA 90024, USA

Mansour, M. H., N. M. Zohdy, et al. (1997). The relationship between tannins concentration in some cotton varieties and susceptibility to piercing sucking insects. *Journal of Applied Entomology* 121(6): 321-325. {a} Natl. Res. Cent. Pest Plant Protection Dep., Dokki, Tahrir St., Cairo, Egypt

Meagher, R. L., Jr., C. W. Smith, et al. (1997). Preference of *Gossypium* genotypes to *Bemisia argentifolii* (Homoptera: Aleyrodidae). *Journal of Economic Entomology* 90(4): 1046-1052. {a} USDA -ARS CMAVE, 1700 S.W. 23rd Drive, Gainesville, FL 32604, USA

Percy, R. G. and E. L. Turcotte (1997). Registration of 10 pima cotton germplasm lines, P70 to P79. *Crop Science* 37(2): 632-633. {a} Univ. Arizona, Tucson, AZ, USA

Reddy, A. R., K. R. Reddy, et al. (1997). Dynamics of canopy photosynthesis in Pima cotton (*Gossypium barbadense* L.) as influenced by growth temperature. *Indian Journal of Experimental Biology* 35(9): 1002-1006. {a} Sch. Life Sci., Pondicherry Univ., Pondicherry 605 014, India

Robinson, A. F. and A. E. Percival (1997). Resistance of *Meloidogyne incognita* race 3 and *Rotylenchulus reniformis* in wild accessions of *Gossypium hirsutum* and *G. barbadense* from Mexico. *Journal of Nematology* 29(4 Suppl.): 746-755. USDA ARS, Southern Crops Res. Lab., 2765 F and B Road, College Station, TX 77845, USA

Rosenheim, J. A., L. R. Wilhoit, et al. (1997). Plant compensation, natural biological control, and herbivory by *Aphis gossypii* on pre-reproductive cotton: The anatomy of a non-pest. *Entomologia Experimentalis et Applicata* 85(1): 45-63. {a} Dep. Entomo l., Univ. Calif., Davis, CA 95616, USA

Sadras, V. O. and G. P. Fitt (1997). Apical dominance-variability among cotton genotypes and its association with resistance to insect herbivory. *Environmental and Experimental Botany* 38(2): 145-153. {a} CSIRO Plant Ind., Locked Bag 59, Narrabri, NSW 2390, Australia

Saranga, Y., N. Sass, et al. (1997). Effects of mites on lint quality of interspecific cotton hybrids. *Crop Science* 37(5): 1577-1581. {a} Heb. Univ. Jerusalem, Fac. Agric. Food Environ. Quality Sci., Dep. Field Crops Veg. Genet., P.O. Box 12, Rehovot 76100, Israel

Sawan, Z. M., M. H. Mahmoud, et al. (1997). Influence of nitrogen fertilization and foliar application of plant growth retardants and zinc on quantitative and qualitative properties of Egyptian cotton (*Gossypium barbadense* L. var. Giza 75). *Journal of Agricultural and Food Chemistry* 45(8): 3331-3336. {a} Cotton Res. Inst., Agricultural Res. Cent., 9 Gamaa Street, Giza 12619, Egypt

Sawan, Z. M., M. H. Mahmoud, et al. (1997). Effect of phosphorus fertilization and foliar application of chelated zinc and calcium on quantitative and qualitative properties of Egyptian cotton (*Gossypium barbadense* L. var. Giza 75). *Journal of Agricultural and Food Chemistry* 45(8): 3326-3330. {a} Cotton Res. Inst., Agricultural Res. Cent., 9 Gamaa St., Giza 12619, Egypt

Tewolde, H. and C. J. Fernandez (1997). Vegetative and reproductive dry weight inhibition in nitrogen- and phosphorus-deficient Pima cotton. *Journal of Plant Nutrition* 20(2-3): 219-232. {a} Cargill, Inc., P.O. Box 725, 10383 165th Avenue NW, Elk River, MN 55330, USA

Unruh, B. L. and J. C. Silvertooth (1997). Planting and irrigation termination timing effects on the yield of Upland and Pima cotton. *Journal of Production Agriculture* 10(1): 74-79. {a} Dep. Plant Sciences, University Arizona, Tucson, AZ 85721, USA

Van, E. G. A., D. T. Bowman, et al. (1997). Pedigrees and distinguishing characteristics of Upland and Pima cotton germplasm lines released between 1972 and 1996. North Carolina Agricultural Research Service Technical Bulletin(312): 1-80. {a} Crop Sci. Dep., NC State Univ., Raleigh, NC, USA

Wang, Z., R. Jiang, et al. (1997). Studies on the sterility of F1 from *Gossypium barbadense* X *G. gossypioides*. *Acta Genetica Sinica* 24(4): 368-372. Inst. Genet., Chinese Acad. Sci., Beijing 100101, China

Basu, A. K. (1996). Current genetic research in cotton in India. *Genetica Dordrecht* 97(3): 279-290. The Cotton Corp. of India Ltd., Air India Bldg. 12th Flr., Nariman Point, Bombay 400 021, India

Blachinski, D., D. Shtienberg, et al. (1996). Influence of foliar application of nitrogen and potassium on Alternaria diseases in potato, tomato and cotton. *Phytoparasitica* 24(4): 281-292. {a} Dep. Plant Pathol., ARO, Volcani Cent., Bet Dagan 50250, Israel

Brayford, D. (1996). IMI descriptions of fungi and bacteria No. 1261: *Fusarium oxysporum* f.sp. *apii*. *Mycopathologia* 133(1): 35-36.

Brubaker, C. L., C. G. Benson, et al. (1996). Occurrence of terpenoid aldehydes and lysigenous cavities in the 'glandless' seeds of Australian *Gossypium* species. *Australian Journal of Botany* 44(5): 601-612. {a} Cent. Plant Biodiversity Res., CSIRO Div. Plant Ind., GPO Box 1600, Canberra, ACT 2601, Australia

Flint, H. M., S. E. Naranjo, et al. (1996). Cotton water stress, arthropod dynamics, and management of *Bemisia tabaci* (Homoptera: Aleyrodidae). *Journal of Economic Entomology* 89(5): 1288-1300. Western Cotton Res. Lab., USDA-ARS, 4135 E. Broadway Rd., Phoenix, AZ 85040, USA

Grantz, D. A. and S. Yang (1996). Effect of O-3 on hydraulic architecture in pima cotton. *Plant Physiology* Rockville 112(4): 1649-1657. {a} Dep. Botany, Plant Sci., Univ. Calif., Riverside, CA, USA

John, M. E. (1996). Structural characterization of genes corresponding to cotton fiber mRNA, E6: Reduced E6 protein in transgenic plants by antisense gene. *Plant Molecular Biology* 30(2): 297-306. Fiber Technol. Div., Agracetus Inc., 8520 University Green, Middleton, WI 53562, USA

Khan, R. A. and W. T. Molin (1996). Photosynthetic electron transport in thylakoids from cotton cultivars (*Gossypium* sp.) differing in tolerance to prometryn. *Plant Cell Reports* 15(12): 969-973. {a} Dep. Plant Sci., Univ. Arizona, Tucson, AZ 85721, USA

Kowsalya, R. and T. S. Raveendran (1996). Genetic variability and D-2 analysis in upland cotton. *Crop Research Hisar* 12(1): 36-42. Sch. Genetics, Tamil Nadu Agricultural Univ., Coimbatore-641 003, India

Kuliev, R. A. (1996). New methods of efficiency increasing of experimental mutagenesis in the cotton-plant selection. *Tsitologiya i Genetika* 30(6): 39-43. Baku State Univ., Baku, Azerbaijan

Lu, Z., J. Chen, et al. (1996). Genetic variation in carbon isotope discrimination and its relation to stomal conductance in pima cotton (*Gossypium barbadense*). *Australian Journal of Plant Physiology* 23(2): 127-132. {a} UCLA -DOE Lab., Dep. Biol., Univ. California, Los Angeles, CA 90024, USA

Mehetre, S. S. and R. K. J. Narayan (1996). Evolutionary DNA variation and genome differentiation in *Gossypium* L. *Proceedings of the Indian National Science Academy Part B Biological Sciences* 63(1): 63-72. {a} Mahatma Phule Krishi Vidyapeeth, Coll. Agric., Vidyanagar, Kolhapur 416004, Maharashtra, India

Molin, W. T. and R. A. Khan (1996). Differential tolerance of cotton (*Gossypium* sp.) cultivars to the herbicide prometryn. *Pesticide Biochemistry and Physiology* 56(1): 1-11. {a} Dep. Plant Sci., Univ. Arizona, Tucson, AZ 85721, USA

Nateshan, H. M., V. Muniyappa, et al. (1996). Host range, vector relations and serological relationships of cotton leaf curl virus from southern India. *Annals of Applied Biology* 128(2): 233-244. {a} Dep. Plant Pathol., Univ. Agric. Sci., Hebbal, Bangalore 560 024, India

Palomo, G. A. (1996). Distribution, collection and use of wild cotton species in Mexico. *Ciencia Mexico City* 47(4): 359-369.

Percy, R. G., M. C. Calhoun, et al. (1996). Seed gossypol variation within *Gossypium barbadense* L. cotton. *Crop Science* 36(1): 193-197. {a} USDA-ARS, Maricopa Agric. Cent., 37860 W. Smith-Enke Rd., Maricopa, AZ 85239, USA

Percy, R. G., Z. Lu, et al. (1996). Inheritance of stomatal conductance in cotton (*Gossypium barbadense*). *Physiologia Plantarum* 96(3): 389-394. {a} Dep. Biol., Univ. Calif., Los Angeles, CA 90024, USA

Quinones, M. A., Z. Lu, et al. (1996). Close correspondence between the action spectra for the blue light responses of the guard cell and coleoptile chloroplasts, and the spectra for blue light-dependent stomatal opening and coleoptile phototropism. *Proceedings of the National Academy of Sciences of the United States of America* 93(5): 2224-2228. {a} Dep. Biol., Univ. California, Los Angeles, CA 90024, USA

Raveendran, T. S., N. Shanthi, et al. (1996). Combining ability analysis in cotton (*Gossypium* species) hybrids based on cytoplasmic -genic male-sterility system. *Indian Journal of Agricultural Sciences* 66(2): 101-104. Dep. Cotton, Sch. Genet., Tamil Nadu Agric. Univ., Coimbatore 641 003, India

Reddy, A. R., K. R. Reddy, et al. (1996). Nitrogen nutrition and photosynthesis in leaves of Pima cotton. *Journal of Plant Nutrition* 19(5): 755-770. {a} Dep. Plant and Soil Sci., Miss. State Univ., Box 9555, Mississippi State, MS 39762, USA

Rinehart, J. A., M. W. Petersen, et al. (1996). Tissue-specific and developmental regulation of cotton gene FbL2A. *Plant Physiology Rockville* 112(3): 1331-1341. {a} Fiber Technol. Div., Agracetus, 8520 University Green, Middleton, WI 53562, USA

Shalaby, E. E. (1996). Weed control and nitrogen application effects on yield and quality of irrigated cotton. *Acta Agronomica Hungarica* 44(3): 263-274. {a} Dep. Crop Sci., Fac. Agric., Univ. Alexandria, Alexandria, Egypt

Shtienberg, D. (1996). Variables associated with intensity of alternaria leaf spot in pima cotton. *Phytopathology* 86(1): 123-128. Dep. Plant Pathol., Agric. Res. Organization, Volcani Center, PO Box 6, Bet Dagan 50250, Israel

Tatineni, V., R. G. Cantrell, et al. (1996). Genetic diversity in elite cotton germplasm determined by morphological characteristics and RAPDs. *Crop Science* 36(1): 186-192. {a} Depl Agron. Hortic., N.M. State Univ., La Cruces, NM 88033-8003, USA

Thimmaiah, K. K., G. Robbani, et al. (1996). Role of private sector in crop improvement. *Crop Improvement* 23(Special): 99-111. Mahenbdra Hybrid Seeds Co. Ltd., A-10/11, Old MIDC Area, Jalna 431 203, MS, India

Unruh, B. L. and J. C. Silvertooth (1996). Comparisons between an Upland and a Pima cotton cultivar: II. Nutrient uptake and partitioning. *Agronomy Journal* 88(4): 589-595. {a} Dep. Plant Sci., Univ. Arizona, Tucson, AZ 85721, USA

Unruh, B. L. and J. C. Silvertooth (1996). Comparisons between an Upland and a Pima cotton cultivar: I. Growth and yield. *Agronomy Journal* 88(4): 583-589. {a} Dep. Plant Sci., Univ. Arizona, Tucson, AZ 85721, USA

Waldrop, M. P., T. M. Sterling, et al. (1996). Fate of prometryn in prometryn-tolerant and -susceptible cotton cultivars. *Pesticide Biochemistry and Physiology* 56(2): 111-122. {a} Dep. Entomol. Plant Pathol. Weed Sci., N. M. State Univ., Las Cruces, NM 88003, USA

Yang, S. and D. A. Grantz (1996). Root hydraulic conductance in pima cotton: Comparison of reverse flow, transpiration, and root pressurization. *Crop Science* 36(6): 1580-1589. {a} Dep. Bot. Plant Sci., Univ. Calif. at Riverside, Kearney Agric. Cent., 9240 Riverbend Ave., Parlier, CA 93648, USA

Benedict, C. R., I. Alchanati, et al. (1995). The enzymatic formation of delta-cadinene from farnesyl diphosphate in extracts of cotton. *Phytochemistry Oxford* 39(2): 327-331. {a} Department Biochemistry Biophysics, Texas A and M Univ., College Station, Texas 77843, USA

Cantrell, R. G., C. L. Roberts, et al. (1995). Registration of 'Acala 1517-95' cotton. *Crop Science* 35(4): 1227-1228. {a} Dep. Agron. Hortic., New Mexico State Univ., Las Cruces, NM 88003-0003, USA

Daayf, F., M. Nicole, et al. (1995). Differentiation of *Verticillium dahliae* populations on the basis of vegetative compatibility and pathogenicity on cotton. European Journal of Plant Pathology 101(1): 69-79. {a} Lab. Phytopathol. Tropicale, ORSTOM, 911, Avenue Agropolis, 34032 Montpellier, France

Echkewu, C. A. and S. O. Alabi (1995). Genetic effects of yield and its components in interspecific crosses of cotton. Discovery and Innovation 7(4): 395-399. Inst. Agric. Res., Ahmadu Bello Univ., PMB, 1044 Samaru, Zaria, Nigeria

Guzhov, Y. L., N. G. Simongulyan, et al. (1995). Heterosis and production of hybrid seeds of cotton on the basis of cytoplasmic male sterility in crosses of *Gossypium hirsutum* L. X *G. barbadense* L. Izvestiya Akademii Nauk Seriya Biologicheskaya Moscow(6): 674-684. {a} Russ. People's Friendship Univ., ul. Miklukho-Maklaya 6, Moscow 117198, Russia

John, M. E. (1995). Characterization of a cotton (*Gossypium hirsutum* L.) fiber mRNA (Fb-B6). Plant Physiology Rockville 107(4): 1477-1478. Agracetus Inc., 8520 University Green, Middleton, WI 53562, USA

Joost, O., G. Bianchini, et al. (1995). Differential induction of 3-hydroxy-3-methylglutaryl CoA reductase in two cotton species following inoculation with *Verticillium*. Molecular Plant Microbe Interactions 8(6): 880-885. {a} Dep. Plant Pathol. and Microbiol., Tex. A and M Univ., College Station, TX 77843, USA

Kadapa, S. N. (1995). Composite-crossing methodology pays rich dividend in cotton breeding: A resume. Indian Journal of Genetics and Plant Breeding 55(3): 290-301. Res., Swananda, Attikalla Behind Railway Goods Shed, Dharwad 5850007, India

Liu, R. J. (1995). Effect of vesicular-arbuscular mycorrhizal fungi on verticillium wilt of cotton. Mycorrhiza 5(4): 293-297. Dep. Horticulture Lai-Yang Agric. Coll., Lai-Yang, Shandong 265200, China

Liu, R. J., H. F. Li, et al. (1995). Detection of pathogenesis-related proteins in cotton plants. Physiological and Molecular Plant Pathology 47(6): 357-363. {a} Hortic. Dep., Lai-Yang Agric. Coll., Lai-Yang, Shandong 265200, China

Mace, M. E. and R. D. Stipanovic (1995). Mode of action of the phytoalexin desoxyhemigossypol against the wilt pathogen, *Verticillium dahliae*. Pesticide Biochemistry and Physiology 53(3): 205-209. {a} Southern Crops Res. Lab., Agric. Res. Serv., U.S. Dep. Agric., 2765 F and B Road, College Station, TX 77845, USA

Moreira, J. D. A. N., E. C. Freire, et al. (1995). Use of numerical taxonomy to compare "Moco" cotton with other Cotton species and races. Revista Brasileira de Genetica 18(1): 99-103. {a} Centro Nacional Pesquisa do Algodao, EMBRAPA, Caixa Postal 174, 58107-720 Campina Grande, PB, Brazil

Multani, D. S. and B. R. Lyon (1995). Genetic fingerprinting of Australian cotton cultivars with RAPD markers. Genome 38(5): 1005-1008. {a} Sch. Biol. Sci., Univ. Sydney, NSW 2006, Australia

Natwick, E. T., C. C. Chu, et al. (1995). Pima and Upland cotton susceptibility to *Bemisia argentifolii* under desert conditions. Southwestern Entomologist 20(4): 429-438. {a} Univ. California Cooperative Extension, Holtville, CA 92250, USA

Reddy, K. R., M. L. Boone, et al. (1995). Developing and validating a model for a plant growth regulator. Agronomy Journal 87(6): 1100-1105. {a} Dep. Plant Soil Sci., Mississippi State Univ., Mississippi State, MS 39762, USA

Reddy, K. R., H. F. Hodges, et al. (1995). Carbon dioxide and temperature effects on pima cotton development. Agronomy Journal 87(5): 820-826. {a} Dep. Plant Soil Sci., Box 9555, Mississippi State Univ., Mississippi State, MS 39762, USA

Rodriguez, G. E. and K. Mendgen (1995). The infection process of *Fusarium oxysporum* in cotton root tips. Protoplasma 189(1-2): 61-72. {a} Phytopathol., Fakultaet Biol., Univ. Konstanz, Universitaetsstrasse 10, D-78434 Konstanz, Germany

Rodriguez, G. E. and K. Mendgen (1995). Cell wall synthesis in cotton roots after infection with *Fusarium oxysporum*: The deposition of callose, arabinogalactans, xyloglucans, and pectic components into walls, wall appositions, cell plates and plasmodesmata. *Planta Heidelberg* 197(3): 535-545. {a} Lehrstuhl Phytopathol., Fakultaet Biol. Univ. Konstanz, D-78434 Konstanz, Germany

Sammour, R. H., S. M. N. El, et al. (1995). Proteins of cottonseed (*Gossypium barbadense*): Extraction and characterization by electrophoresis. *Qatar University Science Journal* 15(1): 77-82. {a} Sakaka, El-Jouf, PO Box 957, Sakaka, Saudi Arabia

Sassenrath, C. G. F. (1995). Dependence of canopy light distribution on leaf and canopy structure for two cotton (*Gossypium*) species. *Agricultural and Forest Meteorology* 77(1-2): 55-72. USDA -ARS Crop Simulation Res. Unit, Dep. Plant Soil Sci., P.O. Box 5367, Mississippi State University, MS 39762-5367, USA

Shtienberg, D., D. Blachinsky, et al. (1995). Integration of genotype and age-related resistances to reduce fungicide use in management of *Alternaria* diseases of cotton and potato. *Phytopathology* 85(9): 995-1002. {a} Dep. Plant Pathol., ARO, Volcani Cent., P.O. Box 6, Bet Dagan 50250, Israel

Singh, V. V., S. S. Narayanan, et al. (1995). Evaluation of selected germplasm of tetraploid cultivated cottons (*Gossypium* species) for amino acid profile. *Indian Journal of Agricultural Sciences* 65(1): 24-26. {a} Div. Crop Improvement, Cent. Inst. Cotton Res., Nagpur, Maharashtra 440 001, India

Srivastava, A., Z. Lu, et al. (1995). Modification of guard cell properties in advanced lines of Pima cotton bred for higher yields and heat resistance. *Plant Science Limerick* 108(2): 125-131. {a} Dep. Biol., Lab. Biomedical, Environmental Sci., University California, Los Angeles, CA, 90024-1606, USA

Tewolde, H., C. J. Fernandez, et al. (1995). Critical petiole nitrate-nitrogen for lint yield and enhanced maturity in Pima cotton. *Agronomy Journal* 87(2): 223-227. {a} Texas A and M Univ. Agric. Res. and Ext. Cent., 1619 Garner Field Road, Uvalde, TX 78801, USA

Wang, G. L., J. M. Dong, et al. (1995). The distribution of *Gossypium hirsutum* chromatin in *G. barbadense* germ plasm: Molecular analysis of introgressive plant breeding. *Theoretical and Applied Genetics* 91(6-7): 1153-1161. {a} Dep. Soil Crop Sci., Texas A and M Univ., College Station, TX 77843, USA

Wendel, J. F., A. Schnabel, et al. (1995). An Unusual Ribosomal DNA Sequence from *Gossypium gossypioides* Reveals Ancient, Cryptic, Intergenomic Introgression. *Molecular Phylogenetics and Evolution* 4(3): 298-313. {a} Dep. Bot., Iowa State Univ., Ames, IA 50011, USA

Zhao, X., R. A. Wing, et al. (1995). Cloning and characterization of the majority of repetitive DNA in cotton (*Gossypium* L.). *Genome* 38(6): 1177-1188. {a} Dep. Soil and Crop Sci., Texas A and M Univ., College Station, TX 77843-2474, USA

Barkhatova, T. A. (1994). Problem of cotton leaf abscission: Actuality and consideration level (review). *Sel'skokhozyaistvennaya Biologiya*(1): 13-19. Sci. Prod. Assoc. "Biolog", Acad. Sci. Uzb., Tashkent, Uzbekistan

Bashan, Y. (1994). Symptomless infections in alternaria leaf blight of cotton. *Canadian Journal of Botany* 72(11): 1580-1585. Dep. Microbiol., Div. Exp. Biol., Cent. Biol. Res., La Paz, P.O. Box 128, Baja California Sur 23000, Mexico

Bashan, Y. (1994). Symptom expression and ethylene production in leaf blight of cotton caused by *Alternaria macrospora* and *Alternaria alternata* alone and in combination. *Canadian Journal of Botany* 72(11): 1574-1579. Dep. Microbiol., Div. Exp. Biol., Cent. Biol. Res., La Paz, P.O. Box 128, Baja California Sur 2300, Mexico

Damp, J. E. and D. M. Pearsall (1994). Early cotton from coastal Ecuador. *Economic Botany* 48(2): 163-165. {a} Dep. Anthropology, Bishop Museum, Honolulu, HI 96817, USA

Duttamajumder, S. K. and J. P. Verma (1994). Population dynamics of virulence genes of *Xanthomonas campestris* pv. *malvacearum* on cotton. Journal of Phytopathology Berlin 140(2): 145-152. Indian Inst. Sugarcane Res., Lucknow U.P.-226 002, India

Echekwu, C. A. and S. O. Alabi (1994). A Diallel Analysis of Earliness in Interspecific Crosses of Cotton. Discovery and Innovation 6(3): 241-243. Inst. Agric. Res., Ahmadu Bello Univ., PMB 1044 Samaru, Zaria, Nigeria

El, S. A. E. R. R. (1994). Azotobacter chroococcum and Streptomyces atroolivaceus as biocontrol agents of *Xanthomonas campestris* pv. *malvacearum*. Acta Microbiologica Polonica 43(1): 79-87. Dep. Botany, Faculty Science, Tanta Univ., Tanta, Egypt

Giri, A. N., D. G. Giri, et al. (1994). Performance of cotton (*Gossypium* species) genotypes under different levels of nitrogen. Indian Journal of Agronomy 39(3): 432-436. {a} All-India Co-ordinated Res. Project on Weed Control, Maharashtra 431 402, India

Lu, Z., J. W. Radin, et al. (1994). High yields in advanced lines of Pima cotton are associated with stomatal conductance, reduced leaf area and lower leaf temperature. Physiologia Plantarum 92(2): 266-272. {a} Dep. Biol., Univ. Calif., Los Angeles, CA 90024, USA

Lu, Z. and E. Zeiger (1994). Selection for higher yields and heat resistance in Pima cotton has caused genetically determined changes in stomatal conductances. Physiologia Plantarum 92(2): 273-278. Dep. Biol., Univ. California, Los Angeles, CA 90024-1606, USA

Malik, R. K., S. T. Shende, et al. (1994). Effect of Azotobacter chroococcum inoculation on yield and yield attributes of Egyptian cotton (*Gossypium barbadense*). Indian Journal of Agricultural Sciences 64(8): 552-554. {a} Dep. Microbiol., Coll. Basic Sci. Humanities, Chaudhary Charan Singh Haryana Agric. Univ., Hisar 125 004, India

McAneney, K. J., Y. Brunet, et al. (1994). Downwind evolution of transpiration by two irrigated crops under conditions of local advection. Journal of Hydrology Amsterdam 161(1-4): 375-388. {a} HFRI, Kerikeri Res. Cent., PO Box 23, Kerikeri, Bay of Islands, New Zealand

Nirenberg, H. I., G. Ibrahim, et al. (1994). Race identity of three isolates of *Fusarium oxysporum* Schlecht. f. sp. *vasinfectum* (Atk.) Snyd. and Hans. from Egypt and the Sudan. Zeitschrift fuer Pflanzenkrankheiten und Pflanzenschutz 101(6): 594-597. {a} Federal Biol. Res. Centre Agric. Forestry, Inst. Microbiol., Koenigin-Luise-Str. 19, D-14195 Berlin, Germany

Park, Y. H. and R. J. Kohel (1994). Effect of concentration of MgCl₂ on random-amplified DNA polymorphism. Biotechniques 16(4): 652-654, 656. {a} USDA-ARS, Southern Crops Res. Lab., College Station, TX 77845, USA

Rabindra, R. J., M. Muthuswami, et al. (1994). Influence of host plant surface environment on the virulence of nuclear polyhedrosis virus against *Helicoverpa armigera* (Hbn.) (Lep., Noctuidae) larvae. Journal of Applied Entomology 118(4-5): 453-460. Tamil Nadu Agricultural Univ., Dep. Agricultural Entomology, Centre Plant Protection Studies, Coimbatore 641 003, India

Radin, J. W., Z. Lu, et al. (1994). Genetic variability for stomatal conductance in Pima cotton and its relation to improvements of heat adaptation. Proceedings of the National Academy of Sciences of the United States of America 91(15): 7217-7221. {a} Dep. Biol., Lab. Biomed. Environmental Sciences, Univ. California, Los Angeles, CA 90024, USA

Reinisch, A. J., J. M. Dong, et al. (1994). A detailed RFLP map of cotton, *Gossypium hirsutum* X *Gossypium barbadense*: Chromosome organization and evolution in a disomic polyploid genome. Genetics 138(3): 829-847. {a} Dep. Soil Crop Sci., Texas A and M Univ., College Station, TX 77843-2474, USA

Schuster, G. L. and R. S. Halliwell (1994). Six new hosts of tomato spotted wilt virus in Texas. Plant Disease 78(1): 100. Dep. Plant Pathology Microbiology, Tex. Agricultural Experiment Station, College Station, TX 77843, USA

Taher, D. (1994). Expert consultation on cotton pest problems and their control in the Near East (Izmir, Turkey, September 5-7, 1994). FAO Food and Agriculture Organization of the United Nations Plant Protection Bulletin 42(3): 139-148. Regional Plant Prot. Off., FAO Regional Off. Near East, PO Box 2223 Dokkii, Cairo, Egypt

Taware, S. P. and V. P. Patil (1994). Genetic analysis of pink bollworm resistance and other quantitative characters in cotton. Indian Journal of Genetics and Plant Breeding 54(2): 137-141. Dep. Genetics Plant Breeding, Agharkar Res. Inst., Gopal Ganesh Agarkar Rd., Pune 411004, India

Tewolde, H., C. J. Fernandez, et al. (1994). Maturity and lint yield of nitrogen- and phosphorus-deficient pima cotton. Agronomy Journal 86(2): 303-309. {a} Texas A and M Univ., Res. Ext. Cent., 1619 Garner Field Road, Uvalde, TX 78801, USA

Urbanska, K. M. (1994). Pollen, mating and paternity in agamospermous angiosperms. Plant Species Biology 9(1): 57-67. Geobot. Dep., Swiss Federal Inst. Technol. Zurich, Zurichbergstrasse 38, CH-8044 Zurich, Switzerland

Uthamasamy, S. and T. Manoharan (1994). Occurrence of leaf perforator (*Bucculatrix loxoptila*) on upland (*Gossypium hirsutum*) and egyptian (*G. barbadense*) cotton. Indian Journal of Agricultural Sciences 64(3): 202-204. Dep. Agric. Entomol., Cent. Plant Prot. Studies, Tamil Nadu Agric. Univ., Coimbatore 641 003, India

Wendel, J. F., R. Powley, et al. (1994). Genetic diversity in and phylogenetic relationships of the Brazilian endemic cotton, *Gossypium mustelinum* (Malvaceae). Plant Systematics and Evolution 192(1-2): 49-59. Dep. Botany, Iowa State Univ., Ames, IA 50011, USA

Wilkins, T. A., C. Y. Wan, et al. (1994). Ancient origin of the vacuolar H⁺-ATPase 69-kilodalton catalytic subunit superfamily. Theoretical and Applied Genetics 89(4): 514-524. {a} Dep. Agron. Range Sci., Univ. Calif., Davis, CA 95616-8515, USA

Ansari, B. A., M. M. Rajper, et al. (1993). Hybrid vigour in intervarietal crosses of upland cotton. Pakistan Journal of Botany 25(1): 7-12. Dep. Plant Breed. Genet., Sindh Agric. Univ., Tandojam, Pakistan

Brubaker, C. L., J. A. Koontz, et al. (1993). Bidirectional cytoplasmic and nuclear introgression in the New World cottons, *Gossypium barbadense* and *G. hirsutum* (Malvaceae). American Journal of Botany 80(10): 1203-1208. {a} Dep. Bot., Iowa State Univ., Ames, IA 50011, USA

Croise, L. and F. Lieutier (1993). Effects of drought on the induced defence reaction of Scots pine to bark beetle-associated fungi. Annales des Sciences Forestieres Paris 50(1): 91-97. INRA, Station de Zool. Forestiere, Ardon, 45160 Olivet, France

Dani, R. G., O. Y. Vesmanovo, et al. (1993). Studies on clonal micropropagation of cotton through meristem culture. Advances in Plant Sciences 6(2): 260-264. {a} Div. Crop. Improvement, Cent. Inst. Cotton Res., Post Bag No. 225, GPO Panjiri-Wardha Rd., Nagpur-440-001, India

Dhandapani, N., S. Jayaraj, et al. (1993). Laboratory studies on the efficacy of nuclear polyhedrosis virus against *Heliothis armigera* (Hbn.) on some cotton cultivars. Anzeiger fuer Schaedlingskunde Pflanzenschutz Umweltschutz 66(5): 96-100. Dep. Agric. Entomol., Tamil Nadu Agric. Univ., Coimbatore 641003, India

Grantz, D. A., X. J. Zhang, et al. (1993). Indirect measurement of leaf area index in Pima cotton (*Gossypium barbadense* L.) using a commercial gap inversion method. Agricultural and Forest Meteorology 67(1-2): 1-12. {a} Dep. Botany Plant Sci., Statewide Air Polution Res. Cent., Univ. Calif. Riverside, Kearney Agric. Cent., 9240 S. Riverbend Ave., Parlier, CA 93648, USA

Hesler, L. S. and G. R. Sutter (1993). Effect of trap color, volatile attractants, and type to toxic bait dispenser or captures of adult corn rootworm beetles (Coleoptera: Chrysomelidae). Environmental Entomology 22(4): 743-750. Northern Grain Insects Res. Lab., Agric. Res. Serv., U.S. Dep. Agric., Brookings, SD 57006, USA

Ibrahim, G. and H. I. Nirenberg (1993). Response of some Sudanese cotton cultivars to race 1 and 5 of *Fusarium oxysporum* f. sp. *vasinfectum*. Zeitschrift fuer Pflanzenkrankheiten und Pflanzenschutz 100(6): 645-651. {a} Botany and Plant Pathol. Sect., Agric. Res. Corp., Wad Medani, Sudan

Krasichkova, G. V., L. M. Asoeva, et al. (1993). Functional activity of chloroplasts in fine-fibrous cotton varieties of diverse productivity and their reciprocal hybrids as related to breeding for high yield. Sel'skokhozyaistvennaya Biologiya(5): 95-99. {a} Inst. Physiol. Biophys. Plant, Acad. Sci. Tadzh., Dushanbe, Tajikistan

Kuznetsov, V. V., V. Y. Rakitin, et al. (1993). Why does heat shock increase salt resistance in cotton plants? Plant Physiology and Biochemistry Montrouge 31(2): 181-188. {a} Lab. Molecular Mechanisms of Adaptation, Inst. Plant Physiology, Academy Sci. Russia, Botanicheskaya 35, 127276 Moscow, Russia

Lafond, G. P. (1993). The effects of nitrogen, row spacing and seeding rate on the yield of flax under a zero-till production system. Canadian Journal of Plant Science 73(2): 375-382. Indian Head Exp. Farm, Box 760, Indian Head, Saskatchewan, S0G 2K0, Canada

Lu, Z., M. A. Quinones, et al. (1993). Abaxial and adaxial stomata from Pima cotton (*Gossypium barbadense* L.) differ in their pigment content and sensitivity to light quality. Plant Cell and Environment 16(7): 851-858. {a} Dep. Biol., Lab. Biomed. Environ. Sci., Univ. Calif., Los Angeles, CA 90024, USA

Panizzi, A. R. and R. M. L. Alves (1993). Performance of nymphs and adults of the southern green stink bug (Heteroptera: Pentatomidae) exposed to soybean pods at different phenological stages of development. Journal of Economic Entomology 86(4): 1088-1093. {a} Centro Nacional Pesquisa Soja, Empresa Brasileira Pesquisa Agropecuaria, Caixa Postal 1061, Londrina, Parana 86001-970, Brasil

Prijono, D. and E. Hassan (1993). Laboratory and field efficacy of neem (*Azadirachta indica* A. Juss) extracts against two broccoli pests. Zeitschrift fuer Pflanzenkrankheiten und Pflanzenschutz 100(4): 355-370. {a} Dep. Plant Pests Diseases, Fac. Agric., Bogor Agric. Univ., Bogor 16144, Indonesia

Reddy, K. R., H. F. Hodges, et al. (1993). A temperature model for cotton phenology. Biotronics 22: 47-59. {a} Dep. Agron., Miss. State Univ., PO Box 9649, Mississippi State, MS 39762, USA

Reddy, K. R., H. F. Hodges, et al. (1993). Temperature effects on pima cotton leaf growth. Agronomy Journal 85(3): 681-686. {a} Dep. Agron., Mississippi State Univ., Mississippi State, MS 39762, USA

Russell, D. A., S. M. Radwan, et al. (1993). Experimental assessment of the impact of defoliation by *Spodoptera littoralis* on the growth and yield of Giza '75 cotton. Crop Protection 12(4): 303-309. {a} Nat. Resour. Inst., Chatham Maritime, Kent ME4 4TB, UK

San, F. A., M. Medarde, et al. (1993). Synthesis and biological activity of bromolignans and cyclolignans. Archiv der Pharmazie Weinheim 326(7): 421-426. {a} Dep. Organic Chemistry, Univ. Salamanca, Faculty Pharmacy, Avda. Campo Charro s/n. 37007, Salamanca, Spain

Sawan, Z. M., E. D. M. S. Maddah, et al. (1993). Cotton seed yield, viability and seedling vigour as affected by plant density, growth retardants, copper and manganese. Seed Science and Technology 21(2): 417-431. Cotton Res. Inst., Agric. Res. Cent., Ministry Agric. Land Reclamation, Giza, Egypt

Sawan, Z. M., M. H. Mahmoud, et al. (1993). Effect of foliar application of chelated copper and manganese on yield components and fibre properties of Egyptian cotton (*Gossypium barbadense*). Journal of Agricultural Science 121(2): 199-204. {a} Cotton Res. Inst., Agric. Res. Centre, Ministry Agric., Giza, Egypt

Shapovalova, R. A., V. P. Kratenko, et al. (1993). Potato blight of cotton in Central Asia. Doklady Rossiiskoi Akademii Sel'skokhozyaistvennykh Nauk(3): 24-28. {a} Uzb. Inst. Genet., Tashkent, Uzbekistan

Shi, J., W. C. Mueller, et al. (1993). The inhibition of fungal growth in resistant cotton plants infected by *Fusarium oxysporum* f. sp. *vasinfectum*. *Journal of Phytopathology Berlin* 139(3): 253-260. Dep. Plant Sci., Univ. Rhode Island, Kingston, RI 02881, USA

Shtienberg, D. (1993). Effects of *Alternaria macrospora* on the yield components of Pima cotton in Israel. *Plant Pathology Oxford* 42(5): 701-706. Dep. Plant Pathol., ARO, Volcani Centre, P.O. Box 6, Bet-Dagan 50250, Israel

Shtienberg, D., Y. Kremer, et al. (1993). Influence of physiological age of Pima cotton on the need for fungicide treatment to suppress *Alternaria* leaf spot. *Phytopathology* 83(11): 1235-1239. {a} Dep. Plant Pathol., Agric. Res. Organization, Volanci Center, P.O. Box 6, Bet-Dagan 50250, Israel

Singh, M. and C. B. Lal (1993). Breeding for resistance to jassid (*Amrasca devastans*) and bollworm (Earias species) in Egyptian cotton (*Gossypium barbadense*). *Indian Journal of Agricultural Sciences* 63(9): 547-550. Div. Genetics, Indian Agric. Res. Inst., New Delhi 110 012, India

Singh, M., V. P. Singh, et al. (1993). Increase of seed-cotton yield through component breeding in short duration Egyptian cotton (*Gossypium barbadense*). *Indian Journal of Agricultural Sciences* 63(10): 639-643. Div. Genetics, Indian Agric. Res. Inst., New Delhi 110 012, India

Singh, R. and G. P. Gupta (1993). Efficacy of schedules of conventional insecticides and with synthetic pyrethroids against bollworm complex in cotton together with their persistence. *Journal of Entomological Research* New Delhi 17(3): 209-220. Natl. Inst. Communicable Dis., Kala-Azar, Patna, Bihar, India

Stoilova, A. (1993). Variability in reciprocal hybrids of *Gossypium hirsutum* L. and *G. barbadense* L. in BC-1F-1 and BC-1F-2 of F-3 backcrosses. *Genetika i Seleksiya* 26(5-6): 362-369. Inst. Cotton Durum Wheat, Chirpan 6200, Bulgaria

Stoilova, A. and T. Lidanski (1993). Qualitative evaluation of reaction norm in cotton lines of interspecific origin (*Gossypium hirsutum* L. X *G. barbadense* L.). *Genetika i Seleksiya* 26(5-6): 391-395. {a} Inst. Cotton Durum Wheat, Chirpan 6200, Bulgaria

Wu, K. J. and M. H. Li (1993). Nutritional ecology of the cotton bollworm, *Heliothis armigera* (Hubner): Life tables of the population on the artificial diets with different protein levels. *Acta Entomologica Sinica* 36(1): 21-28. Inst. Zoology, Academia Sinica, Beijing 100080, China

Bazhanova, A. P. and K. Mamedov (1992). Gymnospermous lines of the genetic collection of cotton of *Gossypium barbadense* L. and their usage in selection. *Izvestiya Akademii Nauk Turkmenistana Seriya Biologicheskikh Nauk*(1): 56-58.

Dejode, D. R. and J. F. Wendel (1992). Genetic diversity and origin of the Hawaiian Islands cotton, *Gossypium tomentosum*. *American Journal of Botany* 79(11): 1311-1319. {a} Dep. Botany, Iowa State Univ., Ames, Iowa 50011

Gal, p. M. I. and L. G. Portenko (1992). Study of the pathogenicity of *Thielaviopsis basicola* to *Gossypium hirsutum* and *Gossypium barbadense*. *Izvestiya Akademii Nauk Respublik Tadzhikistan Otdelenie Biologicheskikh Nauk*(3): 26-29. Dep. Gen. Genet. Cotton, Acad. Sci. Tadzh., Dushanbe, Tajikistan

Holguin, G. and Y. Bashan (1992). Increased aggressiveness of *Alternaria macropora*, a causal agent of leaf blight in cotton monoculture. *Canadian Journal of Botany* 70(9): 1878-1884. {a} Dep. Microbiology, Div. Experimental Biol., Center Biological Res., La Paz, P.O. Box 128, B.C.S. 23000, Mexico

Ishag, H. M. (1992). Effects of foliar micronutrient fertilizers on the yield of irrigated cotton on the vertisols of the Sudan Gezira. *Experimental Agriculture* 28(3): 265-271.

Jaroszewski, J. W., H. T. Strom, et al. (1992). On the botanical distribution of chiral forms of gossypol. *Planta Medica* 58(5): 454-458. {a} Dep. Organic Chemistry, Royal Danish Sch. Pharmacy, Universitetsparken 2, DK-2100 Copenhagen, Denmark

Karpilova, I. M. S. and S. M. Gaziyants (1992). Isolation of active ribulose-1,5-biphosphate carboxylase from the cotton species *Gossypium hirsutum* L. and *Gossypium barbadense* L. Biopolimery i Kletka 8(4): 30-38. Sci.-Eng. Cent. Autom. Biotech. Syst. "Sonar", V.M. Glushkov Inst. Cybern., Acad. Sci. Ukr., Kiev, Ukraine

Percy, R. G. and E. L. Turcotte (1992). Interspecific hybrid fiber characteristics of cotton altered by unconventional *Gossypium barbadense* L. fiber genotypes. Crop Science 32(6): 1437-1441. {a} USDA-ARS, Maricopa Agric. Cent., 38760 W. Smith-Enke Road, Maricopa, Ariz. 85239

Reddy, K. R., H. F. Hodges, et al. (1992). Temperature effects on Pima cotton growth and development. Agronomy Journal 84(2): 237-243.

Sayed, A. A. F., M. A. S. El, et al. (1992). Determination of the volatile oil contents, glycosides and sterols in some Libyan plants. Egyptian Journal of Pharmaceutical Sciences 33(3-4): 599-606. Inst. Higher Technology-Brack, Sebha Univ., Libya

Shtienberg, D. (1992). Development and evaluation of guidelines for the initiation of chemical control of Alternaria leaf spot in Pima cotton in Israel. Plant Disease 76(11): 1164-1168. Dep. Plant Pathol., ARO, Volcani Center, P.O. Box 6, Bet-Dagan 50250, Israel

Shtienberg, D. (1992). Effects of foliar diseases on gas exchange processes: A comparative study. Phytopathology 82(7): 760-765.

Stoilova, A. (1992). Type of hybrid development in *Gossypium hirsutum* L. x *Gossypium barbadense* L. backcrosses with both parental species: II. Characteristics of BC-1 in backcrosses of F-2. Genetika I Seleksiya 25(2): 153-159.

Sutherland, M. L. and G. F. Pegg (1992). The basis of host recognition in *Fusarium oxysporum* f. sp. lycopersici. Physiological and Molecular Plant Pathology 40(6): 423-436. {a} Dep. Horticulture, Univ. Reading, Earley Gate, Reading RG6 2AU, UK

Wadibhasme, S. S., N. K. Raut, et al. (1992). Correlation of chemical composition of cotton leaves to their reaction to Alternaria blight. Journal of Maharashtra Agricultural Universities 17(3): 407-409. Punjabrao Krishi Vidyapeeth, Akola-444 104, India

Wendel, J. F., C. L. Brubaker, et al. (1992). Genetic diversity in *Gossypium hirsutum* and the origin of upland cotton. American Journal of Botany 79(11): 1291-1310. {a} Dep. Botany, Iowa State Univ., Ames, Iowa 50011

Bashan, Y., H. Levanony, et al. (1991). Association between *Alternaria macrospora* and *Alternaria alternata*, causal agents of cotton leaf blight. Canadian Journal Of Botany 69(12): 2603-2607.

Bashan, Y., H. Levanony, et al. (1991). Wind dispersal of *Alternaria alternata*, a cause of leaf blight of cotton. Journal Of Phytopathology 133(3): 225-238.

Cass, Q. B., E. Tiritan, et al. (1991). Gossypol enantiomer ratios in cotton seeds. Phytochemistry 30(8): 2655-2658.

Cornish, K., J. W. Radin, et al. (1991). Enhanced photosynthesis and stomatal conductance of pima cotton (*Gossypium barbadense* L.) bred for increased yield. Plant Physiology 97(2): 484-489.

Dzhuraev, Y. F. and A. K. E. Ergashev (1991). Inheritance and localization of some genes controlling cotton fertility. Tsitologiya I Genetika 25(3): 30-34.

Fiad, S. (1991). Phospholipids of six seed oils of Malvaceae. Journal Of The American Oil Chemists' Society 68(1): 26-28.

Fiad, S. (1991). Component triacylglycerols of six seed oils of Malvaceae. *Journal Of The American Oil Chemists' Society* 68(1): 23-25.

Freire, E. C. and J. D. A. N. Moreira (1991). Genetic relationships among "Moco" and other species and races of cotton (*Gossypium* spp.). *Revista Brasileira De Genetica* 14(2): 393-412.

Gould, J., S. Banister, et al. (1991). Regeneration of *Gossypium hirsutum* and *Gossypium barbadense* from shoot apex tissues for transformation. *Plant Cell Reports* 10(1): 12-16.

Hillocks, R. J. (1991). Alternaria leaf spot of cotton with special reference to Zimbabwe. *Tropical Pest Management* 37(2): 124-128.

Hillocks, R. J. (1991). Screening for resistance to verticillium wilt in Zimbabwe. *Tropical Agriculture* 68(2): 144-148.

Krasichkova, G. V., L. M. Asoeva, et al. (1991). Effect of Fusarium wilt on the functional activity of Egyptian cotton chloroplasts at early ontogenetic stages. *Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni:* 12-16.

Percy, R. G. and E. L. Turcotte (1991). Early-maturing, short-statured American Pima cotton parents improve agronomic traits of interspecific hybrids. *Crop Science* 31(3): 709-712.

Quisenberry, J. E. and B. L. McMichael (1991). Genetic variation among cotton germplasm for water-use efficiency. *Environmental And Experimental Botany* 31(4): 453-460.

Rotem, J. (1991). Assessment of production and dispersal of inoculum of Alternaria macrospora in various parts of the cotton canopy. *Phytoparasitica* 19(2): 121-132.

Sawan, Z. M., R. A. Sakr, et al. (1991). Effect of 1,1-dimethylpiperidinium chloride (Pix) on the seed, protein, oil and fatty acids of Egyptian cotton. *Journal Of Agronomy And Crop Science* 166(3): 157-161.

Shtienberg, D. (1991). Effects of leaf susceptibility and fungicide seed treatment of leaf spot of Pima cotton caused by Alternaria macrospora. *Plant Pathology* 40(3): 415-421.

Shtienberg, D. and J. Dreishpoun (1991). Suppression of alternaria leaf spot in Pima cotton by systemic fungicides. *Crop Protection* 10(5): 381-385.

Stoilova, A. (1991). Type of development in hybrids of the backcrosses of *Gossypium hirsutum* L. X *Gossypium barbadense* L. to both parental species: I. Characterization of BC-1. *Genetika I Seleksiya* 24(4): 237-243.

Stoilova, A. (1991). Gamma-irradiation of interspecific hybrids *Gossypium hirsutum* L. X *Gossypium barbadense* L: II. Possibilities for increasing genetic diversity and enhancing form-developing processes. *Genetika I Seleksiya* 24(1): 3-10.

Stoilova, A. (1991). Gamma-irradiation of the interspecific hybrids *Gossypium hirsutum* L. X *Gossypium barbadense* L: I. Reaction of hybrids to irradiation in the year of treatment. *Genetika I Seleksiya* 23(5): 424-429.

Thomas, K. D., M. A. E. Caxton, et al. (1991). Effects of an aqueous extract of cotton seed (*Gossypium barbadense* Linn.) on adult male rats. *Advances In Contraception* 7(4): 353-362.

Waller, G. D. and A. N. Mamood (1991). Upland and pima cotton as pollen donors for male-sterile upland seed parents. *Crop Science* 31(2): 265-266.

Kadapa, S. H. and R. M. Prajapati (1990). Heterosis and line-tester analysis of intra-*Gossypium barbadense* L. hybrids: I. Yield, plant canopy and earliness. *Indian Journal Of Genetics & Plant Breeding* 50(4): 320-328.

Kerbabaeva, Z. A., A. S. Konoplyva, et al. (1990). Influence of genetic markers on the economic features on cotton isolines of *Gossypium barbadense* L. species. *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(1): 16-21.

Kojnov, G. and A. Stoilova (1990). Hybridization between the species *Gossypium hirsutum* L. and *Gossypium barbadense* L: A promising method for developing valuable forms and cultivars. *Genetika I Selektiya* 23(4): 359-366.

Krasichkova, G. V., L. M. Asoeva, et al. (1990). Functional activity of the photosynthetic apparatus of wild and cultivated cotton forms. *Doklady Vsesoyuznoi Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaistvennykh Nauk Imeni*: 21-24.

Kuznetsov, V. V., B. T. Khydyrov, et al. (1990). Common systems of cotton plant resistance to salinity and high temperatures: Facts and hypotheses. *Fiziologiya Rastenii* 37(5): 987-996.

Kuznetsov, V. V., B. V. Roshchupkin, et al. (1990). Effect of salinization on interaction between the initial and adaptive resistance in plants. *Doklady Akademii Nauk SSSR* 314(2): 509-512.

Mace, M. E., M. H. Elissalde, et al. (1990). A rapid, tetrazolium-based assay for toxicity of the phytoalexin deoxyhemigossypol to *Verticillium dahliae*. *Pesticide Biochemistry And Physiology* 38(1): 57-59.

Percy, R. G. and J. F. Wendel (1990). Allozyme evidence for the origin and diversification of *Gossypium barbadense* L. *Theoretical And Applied Genetics* 79(4): 529-542.

Rao, T. N., Y. S. Nerkar, et al. (1990). Identification of cultivars of cotton by SDS polyacrylamide gel electrophoresis (SDS-PAGE) of soluble seed proteins. *Plant Varieties & Seeds* 3(1): 7-14.

Sawan, Z. M. and R. A. Sakr (1990). Response of Egyptian cotton (*Gossypium barbadense*) yield to 1,1-dimethylpiperidinium chloride (Pic). *Journal Of Agricultural Science* 114(3): 335-338.

Turcotte, E. L. and R. G. Percy (1990). Genetics of kidney seed in *Gossypium barbadense* L. *Crop Science* 30(2): 384-386.

Wang, K. and M. Li (1990). The karyotype variation and evolution of D genome in *Gossypium*. *Acta Agronomica Sinica* 16(3): 200-207.

Wendel, J. F. and R. G. Percy (1990). Allozyme diversity and introgression in the Galapagos Islands (Pacific Ocean) endemic *Gossypium darwinii* and its relationship to continental *Gossypium barbadense*. *Biochemical Systematics And Ecology* 18(7-8): 517-528.

Yakir, D., M. J. Deniro, et al. (1990). Effects of water stress on oxygen, hydrogen and carbon isotope ratios in two species of cotton plants. *Plant Cell And Environment* 13(9): 949-956.

Zhou, N. and Y. Xi (1990). Peroxidase isozyme study on the origin of tetraploid species in *Gossypium*. *Acta Genetica Sinica* 17(4): 294-300.

Aripdzhhanov, S. A., K. A. Khakimov, et al. (1989). Biosynthesis of nucleic acids and proteins in cotton cells during callusogenesis phase. *Biopolimery I Kletka* 5(6): 104-107.

Bazhanova, A. P. and K. Mamedov (1989). Characteristics of some lines of the genetic collection of the cotton *Gossypium barbadense* L. varying in the degree of seed pubescence. *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(4): 8-12.

Bergey, D. R., D. M. Stelly, et al. (1989). In situ hybridization of biotinylated DNA probes to cotton meiotic chromosomes. *Stain Technology* 64(1): 25-38.

Chugunova, E. Y. (1989). Cotton cultivar ASH-25 (*Gossypium barbadense* L.) structure Fusarium wilt infection. *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(2): 8-14.

- Cotty, P. J. (1989). Effects of cultivar and boll age on aflatoxin in cottonseed after inoculation with *Aspergillus flavus* at stimulated exit holes of the pink bollworm. *Plant Disease* 73(6): 489-492.
- Fender, S. E. and M. A. O'Connell (1989). Heat shock protein expression in thermotolerant and thermosensitive lines of cotton. *Plant Cell Reports* 8(1): 37-40.
- Huang, G., Y. Gou, et al. (1989). Studies on a nuclear male sterility maintainer line of cotton. *Scientia Agricultura Sinica* 22(6): 13-17.
- Jia, J., R. Xu, et al. (1989). Selection of semigamy material VSg -1 cotton and its application in breeding research. *Acta Agronomica Sinica* 15(4): 355-361.
- Kadapa, S. N., R. M. Prajapati, et al. (1989). Heterosis and line-tester analysis in *Gossypium barbadense* L. cotton: II. Fiber quality. *Indian Journal Of Genetics & Plant Breeding* 49(3): 369-374.
- Katageri, I. S. and S. N. Kadapa (1989). Heterosis for yield and its component characters in bollworm tolerant *Gossypium hirsutum* L. X *Gossypium barbadense* L. cotton hybrids. *Indian Journal Of Genetics & Plant Breeding* 49(1): 107-112.
- Kerbabaeva, Z. A., A. S. Konoply, et al. (1989). An assessment of gene marker action on commercial features in isogenic strains of the cotton plant *Gossypium barbadense* L. *Izvestiya Akademii Nauk Turkmenskoi Ssr Seriya Biologicheskikh Nauk*(5): 3-6.
- Mace, M. E., R. D. Stipanovic, et al. (1989). Histochemical localization of deoxyhemigossypol, a phytoalexin in *Verticillium dahliae* infected cotton stems. *New Phytologist* 111(2): 229-232.
- Nanthagopal, R. and S. Uthamasamy (1989). Life tables for American bollworm, *Heliothis armigera* Hubner on four species of cotton under field conditions. *Insect Science And Its Application* 10(4): 521-530.
- Nanthagopal, R. and S. Uthamasamy (1989). Life tables for spotted bollworm, *Earias vitella* (Fabricius), on four species of cotton. *Crop Protection* 8(2): 133-136.
- Raafat, M. A. A., Y. T. Atta, et al. (1989). The effect of radiation on seed cotton for some lint quality in Egyptian cultivars. *Egyptian Journal Of Agronomy* 14(1-2): 69-80.
- Rooney, W. L. and D. M. Stelly (1989). Allelic composition of cotton at the Le-1 and Le -2 loci. *Crop Science* 29(3): 707-712.
- Rotem, J., W. Bickle, et al. (1989). Effect of environment and host on sporulation of *Alternaria macrospora* in cotton. *Phytopathology* 79(3): 263-266.
- Sawan, Z. M., E. D. M. S. Maddah, et al. (1989). Influence of nitrogen, phosphorus and growth regulators on seed yield and viability and seedling vigor of Egyptian cotton. *Seed Science And Technology* 17(3): 507-520.
- Sawan, Z. M., E. D. M. S. Maddah, et al. (1989). Effect of nitrogen fertilisation and foliar application of calcium and micro-elements on cotton seed yield, viability and seedling vigor. *Seed Science And Technology* 17(2): 421-432.
- Seshadri, V. (1989). Effect of plant density and growth-regulator on growth and yield of two hybrids of cotton (*Gossypium hirsutum* X *Gossypium barbadense*). *Indian Journal Of Agricultural Sciences* 59(2): 107-109.
- Sproos, B. B., J. Rotem, et al. (1989). The relationship between infections of the cotyledons of *Gossypium barbadense* and *Gossypium hirsutum* with *Alternaria macrospora* and cotyledon abscission. *Physiological And Molecular Plant Pathology* 35(4): 293-300.

- Stoilova, A. and N. Savova (1989). Inheritance of fiber length in *Gossypium hirsutum* X *Gossypium barbadense* crosses. *Genetika I Seleksiya* 22(3): 198-204.
- Thomson, N. J. and D. J. Luckett (1989). Heterosis and combining ability effects on cotton: I. Combining ability. *Australian Journal Of Agricultural Research* 39(6): 973-990.
- Vesmanova, O. Y., E. E. Semykina, et al. (1989). Studies in the cytogenetic activity of the transformation product of the defoliant butylcaptax. *Tsitologiya I Genetika* 23(3): 70-72.
- Altman, D. W. (1988). Exogenous hormone applications at pollination for in vitro and in vivo production of cotton interspecific hybrids. *Plant Cell Reports* 7(4): 257-261.
- Bazhanova, A. P. and K. Mamedov (1988). Some lines of the *Gossypium barbadense* L. cotton genetic collection promising for breeding. *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(6): 35-39.
- Bhatt, J. G. (1988). Transport of radioactivity in relation to bracts in the cotton plant. *Annals Of Botany* 62(6): 571-574.
- Davis, D. D., F. L. Carter, et al. (1988). Mixed plantings of upland male sterile and Pima restorer for increased bee pollination in production of F-1 interspecific hybrid cotton seed. *Southwestern Entomologist* 13(2): 113-118.
- Galau, G. A., H. W. Bass, et al. (1988). Restriction fragment length polymorphisms in diploid and allotetraploid *Gossypium*: Assigning the late embryogenesis-abundant (Lea) alloalleles in *Gossypium hirsutum*. *Molecular & General Genetics* 211(2): 305-314.
- Hande, Y. K. and M. S. Rane (1988). Reaction of some important cotton cultures against individual races of the bacterial blight pathogen. *Journal Of Maharashtra Agricultural Universities* 13(1): 17-20.
- Hossain, T. and M. M. Ahmedova (1988). Effects of electromagnetic field on chromosomal behavior of cotton (*Gossypium* spp.). *Bangladesh Journal Of Botany* 17(2): 127-130.
- Hsu, C. L. and B. C. Mullin (1988). A new protocol for isolation of mitochondrial DNA from cotton seedlings. *Plant Cell Reports* 7(5): 356-360.
- Kasymova, G. F., N. I. Koryakina, et al. (1988). Electrophoretic study of storage cottonseed proteins. *Fiziologiya I Biokhimiya Kul'Turnykh Rastenii* 20(3): 263-270.
- Katan, T. and J. Katan (1988). Vegetative-compatibility grouping of *Fusarium oxysporum* f. sp. *vasinfectum* from tissue and the rhizosphere of cotton plants. *Phytopathology* 78(6): 852-855.
- Kittock, D. L., E. T. Turcotte, et al. (1988). Estimation of heat tolerance improvement in recent American Pima cotton cultivars. *Journal Of Agronomy And Crop Science* 161(5): 305-309.
- Koryakina, N. I., G. F. Kasymova, et al. (1988). Amino acid composition of storage proteins from cotton seeds. *Fiziologiya I Biokhimiya Kul'Turnykh Rastenii* 20(4): 393-397.
- Percy, R. G. and E. L. Turcotte (1988). Development of short and coarse-fibered American Pima cotton for use as parents of interspecific hybrids. *Crop Science* 28(6): 913-916.
- Qian, S., J. Huang, et al. (1988). Investigation on interspecific hybridization of *Gossypium* species. *Acta Agronomica Sinica* 14(2): 96-102.
- Rodriguez, G. B. and J. R. Barrow (1988). Pollen selection for heat tolerance in cotton. *Crop Science* 28(5): 857-859.

Rotem, J., J. Eidt, et al. (1988). Relative effects of *Alternaria alternata* and *Alternaria macrospora* on cotton crops in Israel. *Plant Pathology* 37(1): 16-19.

Rotem, J., U. Wendt, et al. (1988). The effect of sunlight on symptom expression of *Alternaria alternata* on cotton. *Plant Pathology* 37(1): 12-15.

Sawan, Z. M., F. A. A. El, et al. (1988). Cottonseed, protein and oil yields, and oil properties as affected by nitrogen and phosphorus fertilization and growth regulators. *Journal Of Agronomy And Crop Science* 16(1): 50-56.

Sawan, Z. M., F. A. E. H. A. El, et al. (1988). Cottonseed, protein and oil yields and oil properties as affected by nitrogen and phosphorus fertilization and growth regulators. *Journal Of The American Oil Chemists' Society* 65(6): 948-951.

Stelly, D. M., J. A. Lee, et al. (1988). Proposed schemes for mass-extraction of doubled haploids of cotton. *Crop Science* 28(6): 885-890.

Bhatt, J. G. and E. Appukuttan (1987). Changes in concentrations of major nutrients in developing bolls of hybrid cotton. *Indian Journal Of Plant Physiology* 30(2): 160-164.

Bhatt, J. G. and R. Renganayagi (1987). Ascorbic acid turnover in cotton boll as affected by foliar application of sucrose. *Annals Of Botany* 60(4): 395-398.

Bozhinov, M. and L. Dimitrova (1987). A study of the economic and technological characteristics of some foreign and Bulgarian cotton cultivars. *Rasteniev"Dni Nauki* 24(9): 51-59.

Ehleringer, J. R. and S. D. Hammond (1987). Solar tracking and photosynthesis in cotton leaves. *Agricultural And Forest Meteorology* 39(1): 25-36.

Fallieri, J. and J. N. Jenkins (1987). The use of haploids of cotton in interspecific crosses. *Pesquisa Agropecuaria Brasileira* 22(1): 83-88.

Fayez, M. and Z. Y. Daw (1987). Effect of inoculation with different strains of *Azospirillum brasiliense* on cotton (*Gossypium barbadense*). *Biology And Fertility Of Soils* 4(1-2): 91-96.

Gesos, G. F., M. Pulatov, et al. (1987). The combining ability of cotton *Gossypium barbadense* L. cultivars based on yield and its components. *Sel'Skokhozyaistvennaya Biologiya*(12): 12-14.

Hapase, R. S., N. N. Vande, et al. (1987). Heterosis in Egyptian cotton. *Journal Of Maharashtra Agricultural Universities* 12(2): 227-228.

Kerbabaeva, Z. A., D. A. Kelekhsaeva, et al. (1987). Biochemical aspects of early defoliation in cotton. *Izvestiya Akademii Nauk Turkmenskoi Ssr Seriya Biologicheskikh Nauk*(5): 62-67.

Loper, G. M., J. Olvey, et al. (1987). Concentration of the systemic gametocide, TD-1123, in cotton nectar, and honeybee response. *Crop Science* 27(3): 558-561.

Nazirov, N. N. and S. S. Kozubaev (1987). Photoperiodism in the wild forms of cotton *Gossypium barbadense* under normal conditions and after irradiation. *Doklady Vsesoyuznoi Ordona Lenina I Ordona Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni*: 13-15.

Nazirov, R. N. (1987). Productivity of the radiomutant cotton cultivars and of their initial forms. *Doklady Vsesoyuznoi Ordona Lenina I Ordona Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni*: 46-48.

Osman, H. O. A., M. Khalil, et al. (1987). Preparation, evaluation and functional properties of gossypol-poor cottonseed protein isolates. *Food Chemistry* 24(2): 109-126.

Pavlovskaya, N. E. (1987). Regular features of changes in oxidoreductase activity in the process of cotton seed formation. *Fiziologiya I Biokhimiya Kul'Turnykh Rastenii* 19(5): 449-455.

Peeters, M. C., S. Voets, et al. (1987). Nucleolar size at early stages of cotton fiber development in relation to final fiber dimension. *Physiologia Plantarum* 71(4): 436-440.

Salama, F. M. and A. A. Awadalla (1987). The effect of different kinetin application methods on some chlorophyll parameters of 2 crop plants grown under salinity stress. *Phyton* 27(2): 181-193.

Sharopova, N. R., A. A. Pomortsev, et al. (1987). Genetic control of phosphoglucomutase and NADP-dependent malate dehydrogenase in cotton. *Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni:* 7-9.

Singh, P. (1987). Variability for fiber properties in germplasm of Egyptian cotton. *Indian Journal Of Agricultural Sciences* 57(5): 322-324.

Slama, F. (1987). Causes of sodium exclusion from leaves of plants sensitive to sodium chloride. *Agronomie* 7(7): 517-522.

Stoilova, A. (1987). Correlations between total and commercial productivity in interspecific hybrids of cotton (*Gossypium hirsutum* X *Gossypium barbadense*). *Genetika I Seleksiya* 20(6): 517-521.

Turcotte, E. L. (1987). Inheritance of a second wrinkled leaf mutant in American Pima cotton. *Crop Science* 27(4): 702-704.

Yunuskhanov, S. H. (1987). Isolation of a protein with diaphorase activity from cotton seeds and the study of some properties of the protein. *Khimika Prirodykh Soedinenii*(3): 416-421.

Zhou, R. H. and X. D. Lin (1987). Isolation of levo gossypol from natural plant. *Acta Pharmaceutica Sinica* 22(8): 603-607.

Abd, E. G. A. A., T. A. E. El, et al. (1986). Comparative study of some Egyptian and American cotton varieties in relation to hill spacings. *Egyptian Journal Of Agronomy* 11(1-2): 71-78.

Babiker, A. G. T., N. E. Ibrahim, et al. (1986). Effect of application time on herbicidal efficacy of oxadiazon on cotton (*Gossypium barbadense*) in the Sudan Gezira. *Weed Research* 26(1): 51-58.

Burichenko, V. K., T. P. Kopitsya, et al. (1986). Histones from cotton: Molecular characteristics of histone H1. *Khimika Prirodykh Soedinenii*(4): 491-497.

Eid, E. T. and S. M. M. Hassan (1986). Cotton (*Gossypium barbadense* cultivar Giza 75) seed properties as affected by seed size and acid delinting. *Annals Of Agricultural Science* 31(1): 163-174.

El, S. H. M., F. M. Salama, et al. (1986). Ionic and hydrative adjustments to salinity and sodicity stresses in some crop plants. *Egyptian Journal Of Botany* 30(1-3): 107-116.

El, S. H. M., F. M. Salama, et al. (1986). Chlorophyll response to salinity, sodicity and heat stresses in cotton, rama and millet. *Photosynthetica* 20(2): 204-211.

Gaziyants, S. M. and D. M. Laishkram (1986). Genetic analysis of photosynthetic processes during interspecific cotton hybridization. *Sel'Skokhozyaistvennaya Biologiya*(5): 72-75.

Hassan, S. M. M. and E. T. Eid (1986). Effect of seed size and seed treatments on fruiting characters and chemical constituents of cotton plants. *Annals Of Agricultural Science* 31(1): 175-188.

Hassan, S. M. M. and E. T. Eid (1986). Effect of seed size and treatment on growth and yield characters of cotton (*Gossypium barbadense*). *Annals Of Agricultural Science* 31(1): 147-162.

Imamaliev, A. I., P. Y. Popova, et al. (1986). Changes in structural polysaccharide content in the cell wall of the cotton fiber and the formation of the physicomechanical properties of the fiber. Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni: 18-20.

Isamil, F. M. and E. F. A. Al (1986). Comparative study for the relative importance of characters contributing to seed-cotton yield in American cotton (*Gossypium hirsutum* cultivar McNair 220) and Egyptian cotton (*Gossypium barbadense* cultivar Giza 75). Journal Of Agronomy And Crop Science 156(2): 128-132.

Kerbabaeva, Z. A., L. N. Ivonina, et al. (1986). Salt resistance of cultivars and lines from the genetic collection of cotton. Izvestiya Akademii Nauk Turkmenskoi Ssr Seriya Biologicheskikh Nauk(4): 8-13.

Khan, Y. A., S. H. Hussaini, et al. (1986). Effects of seed size on crop growth and yield of cotton (*Gossypium* spp. L.). Seed Research 14(2): 144-155.

Kittock, D. L., C. J. Cain, et al. (1986). Samples needed for estimation of plant height of pima cotton (*Gossypium barbadense*). Agronomy Journal 30: 546-547.

Kittock, D. L., R. A. Selley, et al. (1986). Plant population and plant height effects on pima cotton (*Gossypium barbadense*) lint yield. Agronomy Journal 30: 534-538.

Koura, F. H. and A. M. H. Abdel (1986). Influence of growth regulator Dowco on yield and quality of cotton (*Gossypium barbadense*) plants infested with *Hoplolaimus columbus*. Annals Of Agricultural Science 31(1): 819-824.

Krasichkova, G. V., L. M. Asoeva, et al. (1986). Photochemical activity of chloroplasts in various fine-fibered cotton (*Gossypium barbadense*) cultivars and hybrids. Fiziologiya Rastenii 33(1): 42-50.

Kurdov, M. (1986). Prognosis of the dynamics of the population size of the bollworm *Helicoverpa armigera* Hbn. (*Heliothis armigera* Hbn.) in the Turkmen SSR (USSR). Izvestiya Akademii Nauk Turkmenskoi Ssr Seriya Biologicheskikh Nauk(3): 21-26.

Lee, J. A. (1986). Effects of boll pilosity on some traits on cultivar pima cotton (*Gossypium barbadense*). Crop Science 26(4): 741-743.

Lee, S. M., N. A. Garas, et al. (1986). High-performance liquid chromatographic determination of sesquiterpenoid stress metabolites in *Verticillium dahliae* infected cotton stele. Journal Of Agricultural And Food Chemistry 34(3): 490-493.

Loper, G. M. (1986). Cotton pollen: Honeybee (*Apis mellifera*) avoidance and absence of gossypol. Journal Of Economic Entomology 79(1): 103-106.

Moharir, A. V., K. M. Vijayraghavan, et al. (1986). Crystallite orientation in some cotton varieties of *Gossypium barbadense*. Indian Journal Of Textile Research 11(2): 82-85.

Nazirov, N. N. and S. V. Arslanova (1986). Radiosensitivity of some wild cotton species with different chromosome numbers. Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni: 25-27.

Nazirov, N. N. and S. S. Kozubaev (1986). The frequency of occurrence of early maturing large-fruited cotton forms of varying origin under the action of radioactive phosphorus. Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni: 12-13.

Percy, R. G. (1986). Effects of environment upon ovule abortion in interspecific F-1 hybrids and single species cultivars of cotton. Crop Science 26(5): 938-942.

- Sawan, Z. M. (1986). Effect of nitrogen, phosphorus fertilization and growth regulators on cotton (*Gossypium barbadense*) yield and fiber properties. *Journal Of Agronomy And Crop Science* 156(4): 237-245.
- Sun, C. W. and Z. I. Liang (1986). Esterase isozyme analyses of the species and their varieties of the genus *Gossypium*. *Acta Botanica Sinica* 28(3): 263-269.
- Turcotte, E. L. (1986). Round leaf-3 mutant in American pima cotton (*Gossypium barbadense*). *Journal Of Heredity* 77(5): 364-366.
- Yunuskhanov, S. H. and B. D. Dzhalilov (1986). Study of water-soluble proteins from the seeds of cotton *Gossypium hirsutum* and *Gossypium barbadense*. *Khimiya Prirodnykh Soedinenii*(4): 488-491.
- Bazhanova, A. P. (1985). Some lines of genetic collection of *Gossypium barbadense* cotton (gymnospermous). *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(6): 19-23.
- Bindra, O. S. (1985). Relation of cotton cultivars to the cotton-pest problem in the Sudan Gezira. *Euphytica* 34(3): 849-856.
- Coffey, B. N. and D. D. Davis (1985). Short-branch and cluster-fruited habit inheritance in crosses of 8 cotton lines. *Crop Science* 25(5): 729-731.
- El, N. S. I., A. M. Moussa, et al. (1985). Flavonoids of cottonseed (*Gossypium barbadense*) during germination and early growth stages. *Grasas Y Aceites* 36(1): 21-24.
- Elissalde, M. H., R. D. Stipanovic, et al. (1985). Histamine release from mast cells by terpenoid aldehydes isolated from glandular varieties of cotton. *American Industrial Hygiene Association Journal* 46(7): 396-401.
- Elkinawy, M. (1985). Metabolic significance of indoleacetylaspartic acid in developing cotton (*Gossypium barbadense*) cultivar Giza 68, long staple) leaves. *Physiologia Plantarum* 63(4): 370-374.
- Ibrahim, S. A., N. A. Naguib, et al. (1985). Nutritional status of cotton as affected by the competition of purple nutsedge. *Egyptian Journal Of Physiological Science* 12(1): 39-52.
- Imamaliev, A. I. and I. E. Lavygina (1985). Dynamics of monosaccharides and cellulose in the fibers of intracultivar cotton hybrids. *Doklady Vsesoyuznoi Ordena Lenina I Ordena Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni*: 11-13.
- Kapse, S. S. and Y. S. Nerkar (1985). Polyacrylamide gel electrophoresis of soluble seed proteins in relation to cultivar identification in cotton. *Seed Science And Technology* 13(3): 847-852.
- Khan, M. A., S. M. Rao, et al. (1985). *Gossypium hirsutum* times *Gossypium barbadense* derivatives and their field performance under Faisalabad (Pakistan) conditions. *Pakistan Journal Of Agricultural Research* 6(3): 209-212.
- Khushk, M. T. and J. G. Vaughan (1985). Seed structure in relation to the taxonomy of the Hibisceae (*Gossypium*, *Lebronnecia* and *Thespesia*). *Pakistan Journal Of Botany* 17(1): 119-130.
- Lee, J. A. (1985). Inheritance of two new mutations in cotton. *Journal Of Heredity* 76(6): 479-480.
- Lee, J. A. (1985). Effects of the density of pubescence on some traits of extra-long-stapled cotton (*Gossypium barbadense*). *Crop Science* 25(3): 517-520.
- Loper, G. M. and D. D. Davis (1985). Disparity of cotton pollen dispersal by honey bees (*Apis mellifera*) visiting upland (*Gossypium hirsutum*) and pima (*Gossypium barbadense*) pollen parents. *Crop Science* 25(4): 585-589.

Mace, M. E., R. D. Stipanovic, et al. (1985). Toxicity and role of terpenoid phytoalexins in verticillium wilt resistance in cotton (*Gossypium barbadense* cultivar Seabrook Sea Island). *Physiological Plant Pathology* 26(2): 209-218.

Netzer, D., Y. Tal, et al. (1985). Resistance of interspecific cotton hybrids (*Gossypium hirsutum* times *Gossypium barbadense* containing *Gossypium harknessii* cytoplasm) to Fusarium wilt. *Plant Disease* 69(4): 312-313.

Nie, R. Z. and M. X. Li (1985). Studies of karyotypes in 3 wild and 4 cultivated species of *Gossypium*. *Acta Botanica Sinica* 27(2): 113-121.

Rao, V. S. and J. A. Inamdar (1985). Leaf architecture in cultivars of cotton. *Phyton* 25(1): 65-72.

Rasulov, B. K. (1985). Photosynthetic parameters of the carbon dioxide assimilation system in cotton leaves at various oxygen concentrations. *Fiziologiya Rastenii* 32(2): 332-340.

Salama, H. S. and F. N. Zaki (1985). Application of *Bacillus thuringiensis* and its potency for the control of *Spodoptera littoralis* (Lepidoptera, Noctuidae). *Zeitschrift Fuer Angewandte Entomologie* 99(4): 425-431.

Sawan, Z. M. (1985). Effect of nitrogen fertilization, and foliar application of calcium and micro-elements on yield, yield components, and fiber properties of Egyptian cotton. *Egyptian Journal Of Agronomy* 10(1-2): 24-38.

Sawan, Z. M., B. M. Sallouma, et al. (1985). Effect of plant density, nitrogen fertilization and growth regulators on cottonseed (*Gossypium barbadense* cultivar Giza-75) yield and seedling vigor. *Zeitschrift Fuer Acker Und Pflanzenbau* 154(2): 120-128.

Turcotte, E. L. and C. V. Feaster (1985). Inheritance of male-sterile mutant Ms-12 in American Pima cotton (*Gossypium barbadense*). *Crop Science* 25(4): 688-690.

Wilhelm, S., J. E. Sagen, et al. (1985). Phenotype modification in cotton for control of verticillium wilt through dense plant population culture. *Plant Disease* 69(4): 283-288.

Abo, E. Z. A. A., K. D. A. El, et al. (1984). The relative contribution of fiber properties to variations in yarn strength in Egyptian cotton *Gossypium barbadense*. *Annals Of Agricultural Science* 29(1): 269-280.

Bazhanova, A. P. (1984). Some lines of genetic collection of cotton of the species *Gossypium barbadense*. *Izvestiya Akademii Nauk Turkmenskoi Ssr Seriya Biologicheskikh Nauk*(3): 12-15.

Bhatt, J. G., C. V. Raman, et al (1984). The effect of removing bracts on boll growth, oil and protein content of seeds and fiber characters of lint in cotton. *Indian Journal Of Plant Physiology* 27(1): 8-14.

Charyulu, N. R. and P. A. Rao (1984). Combining ability analysis for seed cotton yield in interspecific cotton hybrids. *Indian Journal Of Genetics & Plant Breeding* 44(3): 469-471.

Eid, E. T. and E. F. A. El (1984). Variation in the productive characters of some Egyptian cotton (*Gossypium barbadense*) varieties. *Annals Of Agricultural Science* 29(2): 719-730.

Elkinawy, M. (1984). Metabolic significance of indoleacetylaspartic acid in developing cotton leaves. *Egyptian Journal Of Botany* 27(1-3): 169-178.

Elkinawy, M. (1984). Hormonal changes associated with leaf senescence in cotton (*Gossypium barbadense*). *Physiologia Plantarum* 62(4): 593-598.

Elkinawy, M. and N. Aly (1984). Changes in endogenous gibberellins in cotton cotyledons during germination and early growth. *Egyptian Journal Of Botany* 27(1-3): 179-190.

Hillocks, R. J. (1984). Production of cotton varieties with resistance to Fusarium wilt with special reference to Tanzania. *Tropical Pest Management* 30(3): 234-246.

Isamukhamedov, A. S. and S. T. Akramov (1984). Chemical study of the principal phospholipids of the seed nuclei of cotton *Gossypium barbadense*. *Khimika Prirodykh Soedinenii*(3): 291-294.

Kerbabaeva, Z. A., A. S. Konoplyya, et al. (1984). Qualitative estimation of early natural defoliation in isogenous cotton (*Gossypium barbadense*) lines. *Sel'Skokhozyaistvennaya Biologiya*(11): 31-33.

Kolte, T. B. and M. V. Thombre (1984). Heterosis and combining ability studies in *Gossypium* spp. *Journal Of Maharashtra Agricultural Universities* 9(3): 252-254.

Konoplyya, S. P. (1984). Enhancing the effect of selection on increased cotton (*Gossypium barbadense*) productivity. *Izvestiya Akademii Nauk Turkmeneskoi SSR Seriya Biologicheskikh Nauk*(6): 9-15.

Konoplyya, S. P. (1984). Analysis of the quantitative characters in the diallel crosses of the cotton *Gossypium barbadense*. *Izvestiya Akademii Nauk Turkmeneskoi SSR Seriya Biologicheskikh Nauk*(2): 41-46.

Koura, F. H. (1984). Reaction of Egyptian cotton (*Gossypium barbadense*) cultivars to *Hoplolaimus aegypti* infection. *Annals Of Agricultural Science* 29(1): 513-520.

Koura, F. H. and S. A. Naser (1984). Nematicidal efficacy of aldicarb (Temik 10G) in the control of *Hoplolaimus aegypti* and the relative susceptibility of cotton (*Gossypium barbadense*) cultivars to nematode infection. *Annals Of Agricultural Science* 29(1): 531-538.

Koura, F. H. and H. A. Osman (1984). The relation between population density of *Hoplolaimus columbus* and damage to cotton (*Gossypium barbadense*) and soybean (*Glycine max*). *Annals Of Agricultural Science* 29(1): 521-530.

Kulieva, L. K., N. V. Obrucheva, et al. (1984). Physiological maturity of the ripening seeds of *Gossypium barbadense*. *Fiziologiya Rastenii* 31(5): 928-933.

Manohar, N., T. Guruswamy, et al. (1984). Estimation of leaf area of a few local varieties of different species of cotton. *Mysore Journal Of Agricultural Sciences* 18(1): 39-42.

Matveev, G. G. and K. Zhuraev (1984). Resistance factors of various cotton cultivars to *Verticillium* wilt. *Mikologiya I Fitopatologiya* 18(3): 239-245.

Menzel, M. Y., S. Naqi, et al. (1984). Incipient genome differentiation in *Gossypium*: 4. The genome of *Gossypium laxum*. *Journal Of Heredity* 75(5): 389-391.

Ogunlela, V. B., V. Kumar, et al. (1984). Effect of sowing date on the performance of 3 cotton varieties in the southern cotton growing zone of Nigeria. *Samaru Journal Of Agricultural Research* 2(1-2): 3-12.

Pavlovskaya, N. E. (1984). Distribution of multiple oxide reductase forms in various organs of cotton seedlings. *Doklady Vsesoyuznoi Ordona Lenina I Ordona Trudovogo Krasnogo Znameni Akademii Sel'Skokhozyaistvennykh Nauk Imeni*: 19-21.

Refaat, M., L. Rossignol, et al. (1984). Interspecific hybrid *Gossypium hirsutum* & X *Gossypium barbadense* via in vitro fertilization and ovule culture. *Zeitschrift Fuer Pflanzenzuechtung* 93(2): 137-146.

Salama, H. S. and F. N. Zaki (1984). Impact of *Bacillus thuringiensis* on the predator complex of *Spodoptera littoralis* in cotton fields. *Zeitschrift Fuer Angewandte Entomologie* 97(5): 485-490.

Sawan, Z. M., E. S. H. M. Hefni, et al. (1984). Effect of different concentrations and time of application of Harvade defoliant on cottonseed, protein and oil yields and oil properties. *Egyptian Journal Of Agronomy* 9(1-2): 53-64.

Sawan, Z. M., R. A. Sakr, et al. (1984). Effect of ethrel treatment on the yield components and fiber properties of the Egyptian cotton (*Gossypium barbadense*). *Zeitschrift Fuer Acker Und Pflanzenbau* 153(1): 72-78.

Stoilova, A. (1984). Irradiation effect on F-2 segregation for earliness, productiveness and fiber length in *Gossypium hirsutum* times *Gossypium barbadense* hybridization. *Genetika I Seleksiya* 17(3): 170-178.

Thangavelu, K. (1984). Insecticides on nitrogen fixing bacteria in cotton (*Gossypium barbadense*) rhizosphere. *Pesticides* 18(10): 48-49.

Weaver, J. B. J., M. A. M. El, et al. (1984). Yield, fiber and spinning performance of interspecific cotton hybrids having a common parent. *Crop Science* 24(4): 637-640.

Yunuskhanov, S. H. and A. P. Ibragimov (1984). Identification of protein markers of the seeds of *Gossypium hirsutum*, *Gossypium barbadense* and study of the relationship of their inheritance with some characters. *Genetika* 20(6): 989-997.

Beltrao, N. E. D. M., J. F. D. Silva, et al. (1983). Resistance of cotton species and cultivars to the herbicide diuron. *Planta Daninha* 6(1): 72-78.

El, S. R. M., M. T. Mostafa, et al. (1983). Response of the cotton plant and soil microflora to Cotoran Multi herbicide. *Egyptian Journal Of Agronomy* 8(1-2): 27-36.

Hussein, M. M., M. A. Kortam, et al. (1983). Effect of different nitrogen forms and foliar application of zinc on yield, chemical compositions and some fiber properties of the cotton plant. *Egyptian Journal Of Agronomy* 8(1-2): 49-62.

Morozova, A. V., S. I. Krasil'Nikova, et al. (1983). Fiber lengthening in cotton *Gossypium hirsutum* and *Gossypium barbadense*. *Izvestiya Akademii Nauk Turkmenskoi SSR Seriya Biologicheskikh Nauk*(4): 11-14.

Mostafa, M. T., M. S. Reiad, et al. (1983). Response of the cotton plant and soil microflora to different levels of Cotoran Multi herbicide and Nutrin foliar fertilizer. *Egyptian Journal Of Agronomy* 8(1-2): 13-26.

Reiad, M. S., M. T. Mostafa, et al. (1983). Response of cotton plant and soil microflora to foliar application with Nutrin. *Egyptian Journal Of Agronomy* 8(1-2): 127-136.

Von, A. R., J. Baumgartner, et al. (1983). A model to simulate the population dynamics of *Bemisia tabaci* (Aleyrodidae) on cotton in the Sudan Gezira. *Zeitschrift Fuer Angewandte Entomologie* 96(4): 341-363.

Abdel, G. F. A. K. (1982). Comparative studies on cotton (*Gossypium barbadense*) and clover (*Trifolium alexandrinum*) as different habitats for two coccinellid species. *Bulletin De La Societe Entomologique D'Egypte*(64): 53-60.

Sawan, Z. M., E. S. H. M. Hefni, et al. (1982). Effect of different concentrations of Harvade defoliant and time of application on cotton yield and fiber properties. *Egyptian Journal Of Agronomy* 7(2): 87-100.

Goldberg, N. P., M. C. Hawes, et al. (1760). Specific attraction to and infection of cotton root cap cells by zoospores of *Pythium dissotocum*. *Canadian Journal Of Botany* 67(6): 1760-1767.

Boylston, E. K. (1739). Presence of silicon in developing cotton fibers. *Journal Of Plant Nutrition* 11(12): 1739-1748.

Mauk, P. A. and R. B. Hine (1662). Infection, colonization of *Gossypium hirsutum* and *Gossypium barbadense*, and development of black root rot caused by *Thielaviopsis basicola*. *Phytopathology* 78(12 Part 2): 1662-1667.

Percy, R. G. and E. L. Turcotte (1520). Inheritance of male-sterile mutant ms -13 in American pima cotton. *Crop Science* 31(6): 1520-1521.

Kennedy, C. W. and J. E. Jones (1331). Evaluating quantitative screening methods for manganese toxicity in cotton genotypes. *Journal Of Plant Nutrition* 14(12): 1331-1340.

Cotty, P. J. (1138). Temperature-induced suppression of Alternaria leaf spot of cotton in Arizona (USA). *Plant Disease* 71(12): 1138-1140.

Kennedy, C. W., W. C. J. Smith, et al. (1123). Root cation exchange capacity of cotton cultivars in relation to aluminum toxicity. *Journal Of Plant Nutrition* 9(8): 1123-1134.

Kohel, R. J. and J. A. Lee (1119). Genetic analysis of Egyptian glandless cotton (*Gossypium barbadense* cultivar Bahtim 110). *Crop Science* 24(6): 1119-1121.

Cotty, P. J. (1082). Evaluation of cotton cultivar susceptibility to Alternaria leaf spot. *Plant Disease* 71(12): 1082-1084.

Abdel, A. M. H., E. T. Eid, et al. (1063). Response of Egyptian cotton plants to mepiquat chloride with varying concentrations and time of application. *Annals Of Agricultural Science* 31(2): 1063-1076.

Kerbabaeva, Z. A., A. S. Konoplyva, et al. (1055). Effects of marker genes on commercial characters in isolines of cotton *Gossypium hirsutum* L. and *Gossypium barbadense* L. *Genetika* 26(6): 1055-1063.

Abdel, A. M. H., M. S. Ismail, et al. (1047). Effect of growth retardant N,N,N-tributyl-3-(trifluoromethyl)benzenemethaniminium chloride (DOWCO 391X) on seed cotton yield and yield components. *Annals Of Agricultural Science* 31(2): 1047-1062.

Mamood, A. N., G. D. Waller, et al. (1034). Dispersal of upland and Pima cotton pollen by honey bees (Hymenoptera: Apidae) visiting upland male-sterile flowers. *Environmental Entomology* 19(4): 1034-1036.

Ismail, F. M., A. M. Esmail, et al. (1033). Response to selection for yield and quality in early generations of an Egyptian cotton hybrid. *Annals Of Agricultural Science* 31(2): 1033-1046.

Fry, K. E. (1020). Earliness factors in three pima cotton (*Gossypium barbadense*) genotypes. *Crop Science* 25(6): 1020-1023.

Turcotte, E. L. and R. G. Percy (1018). Inheritance of a second virescent mutant in American pima cotton. *Crop Science* 28(6): 1018-1019.

Umbeck, P. F. and J. M. Stewart (1015). Substitution of cotton cytoplasms from wild diploid species for cotton germplasm improvement. *Crop Science* 25(6): 1015-1019.

Garas, N. A. and A. C. J. Waiss (1011). Differential accumulation and distribution of antifungal sesquiterpenoids in cotton stems inoculated with *Verticillium dahliae*. *Phytopathology* 76(10): 1011-1017.

Kittock, D. L., B. B. Taylor, et al. (1011). Partitioning yield reduction from early cotton planting. *Crop Science* 27(5): 1011-1015.

Yunuskhanov, S. H. (1006). The comparative study of cottonseed proteins of A and D genome groups in connection with the origin of *Gossypium hirsutum* and *Gossypium barbadense* allotetraploids. *Genetika* 20(6): 998-1006.

Garas, N. A., S. Wilhem, et al. (1005). Relationship of cultivar resistance to distribution of *Verticillium dahliae* in inoculated cotton plants and to growth of single conidia on excised stem segments. *Phytopathology* 76(10): 1005-1010.

Thomson, N. J. and D. J. Luckett (1002). Heterosis and combining ability effects in cotton: II. Heterosis. *Australian Journal Of Agricultural Research* 39(6): 991-1002.

Katole, S. R., H. S. Thakare, et al. Occurrence of *Chiloclosterus acuta* Wied. (Cetoniinae-Coleoptera) on sorghum in Vidarbha, its damage and control. PKV Punjabrao Krishi Vidyapeeth Research Journal 16(2): 147-150. {a} Dep. Entomol., PKV, Akola, India

Krishnadas, D. and M. Kadambavanasundaram Genetic variability, heritability and genetic advance in tetraploid species of cotton. Indian Journal of Genetics and Plant Breeding 53(1): 55-59. Sch. Genetics, Tamil Nadu Agric. Univ., Coimbatore 641003, India

Sammour, R. H. Using SDS-PAGE in identification of certain *Gossypium barbadense* L. cultivars. Egyptian Journal of Botany 33(2): 169-174. Botany Dep., Faculty Science, Tanta Univ., Tanta, Egypt

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